

Rouyn-Noranda, November 29, 2017

Mr. Patrick Beauchesne, Deputy Minister
Ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques
Édifice Marie-Guyart, 30th floor
675 Boulevard René-Lévesque Est, Box 02
Québec, QC - G1R 5V7

Subject: Application for exemption from Chapter II of the Environment Quality Act for mining exploration work on the Éléonore property

Sir,

Les Mines Opinaca Ltée (MOL) hereby submits an application for exemption from Chapter II of the *Environment Quality Act* (EQA), under section 154 of that Act, for the above-mentioned project.

Context

Following the environmental and social impact assessment and review process by the Comité d'examen (COMEX - Review Committee), the Ministère du développement durable, de l'environnement de la faune et des parcs (MDDEFP) authorized the Éléonore mining project on November 10, 2011 by an overall certificate of authorization (Your Ref. : 3214-14-042) under section 164 of the EQA.

The exploration activities are continuing to specify the extent and nature of the deposits on the properties of Les Mines Opinaca Ltée (MOL) and Goldcorp. These activities include, in particular, exploratory trenching.

MOL is submitting this application for exemption from Chapter II of the EQA, for the performance of mining exploration work in the "VTEM East", "Central" and "Southeast" sectors of the Éléonore property.

This application is independent of the work performed in 2017 in the "Old Camp" and "East" sectors, for which a certificate of exemption was issued on June 14, 2017 (Your Ref. : 3214-14-042).

Description of the work

The mining exploration work will be conducted on the Éléonore property, located in the Nord-du-Québec administrative region, in the territory of the Eeyou Istchee James Bay Regional Government, on Class III public lands.

More specifically, the Éléonore property is located northeast of the Opinaca Reservoir, approximately 190 km east of the Cree community of Wemindji.

The scope of this application covers 12 exploratory trenches, distributed among three sectors of the Éléonore property, "VTEM Est", "Central" and "Southeast". Each exploratory trench will involve a maximum total area of 1 hectare and the management of a maximum of 1000 m³ of overburden.

Timeline

The trenching work in the "VTEM East", "Central" and "Southeast" sectors will be carried out during the year 2018, subject to obtaining in advance the certificate of exemption from Chapter II of the EQA and *any* other authorization required.

For additional information, please contact the undersigned at 819-865-4051.

We hope this meetings your requirements, Mr. Beauchesne. Please accept our best regards.



Ms. France Trépanier,
Environment Coordinator
france.trepanier@goldcorp.com
819-865-4051

Encl. Cheque for \$1366
 Applicant's declaration
 Application for exemption form
 Complementary document

c.c. (By email)
 Ms. Mireille Paul, MDDELCC
 Ms. Aurora Hernandez, Cree Nation Government
 Mr. Youcef Larbi, Cree Mineral Exploration Board
 Mr. Martin Duclos, Les Mines Opinaca Ltée – Goldcorp
 Mr. Stéphane Gosselin, Les Mines Opinaca Ltée – Goldcorp
 Document control

« Déclaration du demandeur ou du titulaire » contenant les renseignements exigés en vertu de l'article 115.8 de la Loi sur la qualité de l'environnement (L.R.Q., c. Q-2)

Personne morale

1. IDENTIFICATION DE LA PERSONNE MORALE

Indiquez le nom
figurant sur la
déclaration
d'immatriculation.

Les Mines Opinaca Ltée

Nom

Indiquez les autres
noms utilisés au
Québec enregistrés
auprès du
Registraire des
entreprises du
Québec.

Goldcorp Inc.

Autres noms

Indiquez le NEQ.

1146066668

NEQ (Numéro d'entreprise du Québec)

Indiquez les
coordonnées
complètes du siège
social de la
personne morale.

40

No

King Street West

Rue

Suite 2100

Bureau/Appartement

Toronto

Municipalité/Ville

Arrondissement

M5S 3C2

Code postal

Ontario

Province

Canada

Pays

No de téléphone

Poste

No de télécopieur (facultatif)

Nombre de personnes (administrateurs, dirigeants et actionnaires)
qui ne sont pas visées par la déclaration
(ne résidant pas au Canada, ne possédant pas d'établissements
au Canada ou personnes morales de droit public)¹

¹ Voir le document intitulé : « Guide explicatif pour remplir la "Déclaration du demandeur ou du titulaire" contenant les renseignements exigés en vertu de l'article 115.8 de la Loi sur la qualité de l'environnement (L.R.Q., c. Q-2) ».

Indiquez le statut de la personne au sein de la personne morale.

2. IDENTIFICATION DES DIRIGEANTS, ADMINISTRATEURS OU ACTIONNAIRES

STATUT ☒ Dirigeant ☐ Administrateur ☐ Actionnaire

IDENTIFICATION ☐ M. ☒ Mme

Tudela		Anna		1961	03	04
Nom		Prénom		Date de naissance		
4701	Malory North					
No	Rue	Bureau/Appartement				
North Vancouver					V7K 2W7	
Municipalité/Ville		Arrondissement		Code postal		
Colombie-Britannique		Canada				
Province		Pays				
1-604-696-3023						
No de téléphone		Poste		No de télécopieur (facultatif)		

Indiquez l'adresse personnelle du dirigeant, de l'administrateur ou de l'actionnaire, selon le cas.

Dans le cas d'un dirigeant, indiquez la fonction.

- | | |
|--|---|
| <input type="checkbox"/> Directeur d'usine | <input type="checkbox"/> Trésorier |
| <input type="checkbox"/> Président | <input type="checkbox"/> Directeur général |
| <input type="checkbox"/> Vice-président | <input type="checkbox"/> Autres, précisez : |
| <input checked="" type="checkbox"/> Secrétaire | |

IDENTIFICATION DES DIRIGEANTS, ADMINISTRATEURS OU ACTIONNAIRES

Indiquez le statut de la personne au sein de la personne morale.

STATUT ☒ Dirigeant ☒ Administrateur ☐ Actionnaire

IDENTIFICATION ☒ M. ☐ Mme

Stephens		David		1981	06	20
Nom		Prénom		Date de naissance		
159	W 1st Avenue					
No	Rue	Bureau/Appartement				
Vancouver					V5Y 0A6	
Municipalité/Ville		Arrondissement		Code postal		
Colombie-Britannique		Canada				
Province		Pays				
1-604-695-1441						
No de téléphone		Poste		No de télécopieur (facultatif)		

Indiquez l'adresse personnelle du dirigeant, de l'administrateur ou de l'actionnaire, selon le cas.

Dans le cas d'un dirigeant, indiquez la fonction.

- | | |
|--|---|
| <input type="checkbox"/> Directeur d'usine | <input checked="" type="checkbox"/> Trésorier |
| <input type="checkbox"/> Président | <input type="checkbox"/> Directeur général |
| <input type="checkbox"/> Vice-président | <input type="checkbox"/> Autres, précisez : |
| <input type="checkbox"/> Secrétaire | |

Indiquez le statut de la personne au sein de la personne morale.

2. IDENTIFICATION DES DIRIGEANTS, ADMINISTRATEURS OU ACTIONNAIRES

STATUT ☒ Dirigeant ☐ Administrateur ☐ Actionnaire

IDENTIFICATION ☒ M. ☐ Mme

White		Todd		1965	09	29
Nom		Prénom		Date de naissance		
6763	Hawk Ridge Drive					
No	Rue	Bureau/Appartement				
Ferndale				98248		
Municipalité/Ville		Arrondissement		Code postal		
Ferndale		Washington				
Province		Pays				
604-695-7124						
No de téléphone		Poste		No de télécopieur (facultatif)		

Indiquez l'adresse personnelle du dirigeant, de l'administrateur ou de l'actionnaire, selon le cas.

Dans le cas d'un dirigeant, indiquez la fonction.

- | | |
|---|---|
| <input checked="" type="checkbox"/> Directeur d'usine | <input type="checkbox"/> Trésorier |
| <input type="checkbox"/> Président | <input type="checkbox"/> Directeur général |
| <input type="checkbox"/> Vice-président | <input type="checkbox"/> Autres, précisez : |
| <input type="checkbox"/> Secrétaire | |

IDENTIFICATION DES DIRIGEANTS, ADMINISTRATEURS OU ACTIONNAIRES

Indiquez le statut de la personne au sein de la personne morale.

STATUT ☐ Dirigeant ☐ Administrateur ☐ Actionnaire

IDENTIFICATION ☒ M. ☐ Mme

Thomas		Steven		1965	03	17
Nom		Prénom		Date de naissance		
69	Heatherwood Cr.					
No	Rue	Bureau/Appartement				
Unionville				L3R 8V6		
Municipalité/Ville		Arrondissement		Code postal		
Ontario		Canada				
Province		Pays				
416-956-0407						
No de téléphone		Poste		No de télécopieur (facultatif)		

Indiquez l'adresse personnelle du dirigeant, de l'administrateur ou de l'actionnaire, selon le cas.

Dans le cas d'un dirigeant, indiquez la fonction.

- | | |
|--|--|
| <input type="checkbox"/> Directeur d'usine | <input type="checkbox"/> Trésorier |
| <input type="checkbox"/> Président | <input type="checkbox"/> Directeur général |
| <input type="checkbox"/> Vice-président | <input checked="" type="checkbox"/> Autres, précisez : Regional, Chief Financial Officer |
| <input type="checkbox"/> Secrétaire | |

IDENTIFICATION DES DIRIGEANTS, ADMINISTRATEURS OU ACTIONNAIRES

Indiquez le statut de la personne au sein de la personne morale.

STATUT ☒ Dirigeant ☐ Administrateur ☐ Actionnaire

IDENTIFICATION ☒ M. ☐ Mme

Indiquez l'adresse personnelle du dirigeant, de l'administrateur ou de l'actionnaire, selon le cas.

Bristol		Wade	1958 <small>Année</small>	07 <small>Mois</small>	03 <small>Jour</small>
Nom		Prénom	Date de naissance		
130	Adelaide Street West		3201		
No	Rue		Bureau/Appartement		
Toronto	Ontario		M5H 3P5		
Municipalité/Ville		Arrondissement	Code postal		
Ontario		Canada			
Province		Pays			
1-416-956-0402					
No de téléphone		Poste	No de télécopieur (facultatif)		

Dans le cas d'un dirigeant, indiquez la fonction.

- | | |
|---|---|
| <input type="checkbox"/> Directeur d'usine | <input type="checkbox"/> Trésorier |
| <input checked="" type="checkbox"/> Président | <input type="checkbox"/> Directeur général |
| <input type="checkbox"/> Vice-président | <input type="checkbox"/> Autres, précisez : |
| <input type="checkbox"/> Secrétaire | |

IDENTIFICATION DES DIRIGEANTS, ADMINISTRATEURS OU ACTIONNAIRES

Indiquez le statut de la personne au sein de la personne morale.

STATUT ☒ Dirigeant ☒ Administrateur ☐ Actionnaire

IDENTIFICATION ☒ M. ☐ Mme

Indiquez l'adresse personnelle du dirigeant, de l'administrateur ou de l'actionnaire, selon le cas.

Ball		Russell	1968 <small>Année</small>	04 <small>Mois</small>	18 <small>Jour</small>
Nom		Prénom	Date de naissance		
2821	Marine Drive				
No	Rue		Bureau/Appartement		
West Vancouver					
Municipalité/Ville		Arrondissement	Code postal		
Columbia-Britannique		Canada			
Province		Pays			
1-604-696-3079					
No de téléphone		Poste	No de télécopieur (facultatif)		

Dans le cas d'un dirigeant, indiquez la fonction.

- | | |
|--|--|
| <input type="checkbox"/> Directeur d'usine | <input type="checkbox"/> Trésorier |
| <input type="checkbox"/> Président | <input type="checkbox"/> Directeur général |
| <input type="checkbox"/> Vice-président | <input checked="" type="checkbox"/> Autres, précisez : Chief Financial Officer |
| <input type="checkbox"/> Secrétaire | |

IDENTIFICATION DES DIRIGEANTS, ADMINISTRATEURS OU ACTIONNAIRES

Indiquez le statut de la personne au sein de la personne morale.

STATUT ☒ Dirigeant ☐ Administrateur ☐ Actionnaire

IDENTIFICATION ☒ M. ☐ Mme

Whyte		John		1961	12	18
Nom		Prénom		Date de naissance		
23	Parkhurst Blvd					
No	Rue		Bureau/Appartement			
Toronto				M4G 2C7		
Municipalité/Ville		Arrondissement		Code postal		
Ontario		Canada				
Province		Pays				
416-956-0419						
No de téléphone		Poste		No de télécopieur (facultatif)		

Indiquez l'adresse personnelle du dirigeant, de l'administrateur ou de l'actionnaire, selon le cas.

Dans le cas d'un dirigeant, indiquez la fonction.

- | | |
|---|--|
| <input checked="" type="checkbox"/> Directeur d'usine | <input type="checkbox"/> Trésorier |
| <input type="checkbox"/> Président | <input type="checkbox"/> Directeur général |
| <input type="checkbox"/> Vice-président | <input checked="" type="checkbox"/> Autres, précisez : |
| <input type="checkbox"/> Secrétaire | |

IDENTIFICATION DES DIRIGEANTS, ADMINISTRATEURS OU ACTIONNAIRES

Indiquez le statut de la personne au sein de la personne morale.

STATUT ☒ Dirigeant ☐ Administrateur ☐ Actionnaire

IDENTIFICATION ☒ M. ☐ Mme

Schreiner		Lincoln		1957	10	21
Nom		Prénom		Date de naissance		
4390	Mahon Avenue					
No	Rue		Bureau/Appartement			
Burnaby				V5G 3R2		
Municipalité/Ville		Arrondissement		Code postal		
Colombie-Britannique		Canada				
Province		Pays				
604-695-7094						
No de téléphone		Poste		No de télécopieur (facultatif)		

Indiquez l'adresse personnelle du dirigeant, de l'administrateur ou de l'actionnaire, selon le cas.

Dans le cas d'un dirigeant, indiquez la fonction.

- | | |
|---|---|
| <input checked="" type="checkbox"/> Directeur d'usine | <input type="checkbox"/> Trésorier |
| <input type="checkbox"/> Président | <input type="checkbox"/> Directeur général |
| <input type="checkbox"/> Vice-président | <input type="checkbox"/> Autres, précisez : |
| <input type="checkbox"/> Secrétaire | |

3. DÉCLARATION OBLIGATOIRE

- A Est-ce que la personne morale identifiée à la section 1 ou l'un de ses dirigeants, administrateurs ou actionnaires identifié à la section 2 a un lien de dépendance¹, au sens de la Loi sur les impôts (chap. I-3), avec une personne qui exerce une activité similaire, alors qu'une autorisation délivrée en vertu de la Loi sur la qualité de l'environnement ou de ses règlements a été suspendue, révoquée ou a fait l'objet d'une injonction ou d'une ordonnance à cet effet?**

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes et indiquez la nature des liens de dépendance, ainsi que la nature des activités exercées.

- B Est-ce que la personne morale identifiée à la section 1 ou l'un de ses dirigeants, administrateurs ou actionnaires identifié à la section 2 est le prête-nom¹ d'une autre personne?**

☐ Oui ☒ Non

Si oui, identifiez la personne concernée, de même que la personne pour laquelle elle sert de prête-nom, avec ses coordonnées et sa date de naissance. Indiquez également les motifs qui justifient l'utilisation d'un prête-nom.

- C Au cours des cinq dernières années, est-ce que la personne morale identifiée à la section 1 ou l'un de ses dirigeants, administrateurs ou actionnaires identifié à la section 2 a été déclaré coupable :**

d'une infraction à une loi fiscale liée à l'exercice d'activités visées par l'autorisation demandée ou détenue?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes, indiquez la nature de l'infraction et la date de la déclaration de culpabilité et décrivez sommairement les activités à l'occasion desquelles l'infraction a été commise.

d'un acte criminel lié à l'exercice d'activités visées par l'autorisation demandée ou détenue?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes, indiquez la nature de l'acte criminel et la date de la déclaration de culpabilité et décrivez sommairement les activités à l'occasion desquelles l'acte criminel a été commis.

d'un acte criminel prévu aux articles 467.11 à 467.13 du Code criminel (Lois révisées du Canada, 1985, chapitre C-46)?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes, indiquez la nature de l'acte criminel et la date de la déclaration de culpabilité.

- D Au cours des deux dernières années, est-ce que la personne morale identifiée à la section 1 ou l'un de ses dirigeants, administrateurs ou actionnaires identifié à la section 2 a été déclaré coupable d'une infraction à la Loi sur la qualité de l'environnement ou à l'un de ses règlements?**

☐ Oui ☒ Non

¹ Voir le document intitulé : « Guide explicatif pour remplir la "Déclaration du demandeur ou du titulaire" contenant les renseignements exigés en vertu de l'article 115.8 de la Loi sur la qualité de l'environnement (L.R.Q., c. Q-2) ».

Si oui, identifiez la ou les personnes, indiquez la nature de l'infraction et la date de la déclaration de culpabilité.

- E** Au cours des cinq dernières années, est-ce que la personne morale identifiée à la section 1 ou l'un de ses dirigeants, administrateurs ou actionnaires identifié à la section 2 a été déclaré coupable d'une infraction à la Loi sur la qualité de l'environnement ou à l'un de ses règlements, dont le montant minimal de l'amende était de 10 000 \$ pour une personne physique et de 30 000 \$ pour une personne morale (article 115.32 de la Loi sur la qualité de l'environnement)?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes, indiquez la nature de l'infraction et la date de la déclaration de culpabilité.

- F** Est-ce que la personne morale identifiée à la section 1 ou l'un de ses dirigeants, administrateurs ou actionnaires identifié à la section 2 est en défaut de respecter une ordonnance ou une injonction rendue en vertu de la Loi sur la qualité de l'environnement?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes, indiquez l'objet et la date de l'injonction ou de l'ordonnance.

- G** Est-ce que la personne morale identifiée à la section 1 ou l'un de ses dirigeants, administrateurs ou actionnaires identifié à la section 2 est en défaut de payer un montant dû en vertu de la Loi sur la qualité de l'environnement, de toute autre loi dont le ministre du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques est chargé de l'application ou de tout règlement édicté en vertu de celles-ci, y compris le défaut de payer une amende ou une sanction administrative pécuniaire?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes et précisez les motifs et le montant de la dette.

- H** Est-ce que la personne morale identifiée à la section 1 ou l'un de ses dirigeants, administrateurs ou actionnaires identifié à la section 2 a été un dirigeant, administrateur ou actionnaire d'une autre personne morale ayant :

été déclarée coupable, au cours des deux dernières années, d'une infraction à la Loi sur la qualité de l'environnement ou à l'un de ses règlements?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes, indiquez la nature de l'infraction et la date de la déclaration de culpabilité.

été déclarée coupable, au cours des cinq dernières années, d'une infraction à la Loi sur la qualité de l'environnement ou à l'un de ses règlements, dont le montant minimal de l'amende était de 10 000 \$ dans le cas d'une personne physique et de 30 000 \$ dans le cas d'une personne morale?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes, indiquez la nature de l'infraction et la date de la déclaration de culpabilité.

été déclarée coupable, au cours des cinq dernières années, d'une infraction à une loi fiscale liée à l'exercice d'activités visées par l'autorisation demandée ou

détenue?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes, indiquez la nature de l'infraction, ainsi que la date de la déclaration de culpabilité, et décrivez sommairement les activités à l'occasion desquelles l'infraction fiscale a été commise.

été déclarée coupable, au cours des cinq dernières années, d'un acte criminel lié à l'exercice d'activités visées par l'autorisation demandée ou détenue?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes, indiquez la nature de l'acte criminel, ainsi que la date de la déclaration de culpabilité, et décrivez sommairement les activités à l'occasion desquelles l'acte criminel a été commis.

été déclarée coupable, au cours des cinq dernières années, d'un acte criminel prévu aux articles 467.11 à 467.13 du Code criminel?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes et indiquez la nature de l'acte criminel et la date de la déclaration de culpabilité.

I Est-ce que la personne morale identifiée à la section 1 ou l'un de ses dirigeants, administrateurs ou actionnaires identifié à la section 2 a conclu un contrat de prêt d'argent¹ pour le financement d'activités visées par l'autorisation demandée ou détenue?

☐ Oui ☒ Non

Si oui, est-ce que ce prêteur d'argent ou, s'il s'agit d'une personne morale, celle-ci ou l'un de ses administrateurs, dirigeants ou actionnaires a, au cours des cinq dernières années :

été déclaré coupable d'une infraction à une loi fiscale liée à l'exercice d'activités visées par l'autorisation demandée ou détenue?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes et indiquez la nature de l'infraction, ainsi que la date de la déclaration de culpabilité, et décrivez sommairement les activités à l'occasion desquelles l'infraction a été commise.

été déclaré coupable d'un acte criminel lié à l'exercice d'activités visées par l'autorisation demandée ou détenue?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes et indiquez la nature de l'acte criminel, ainsi que la date de la déclaration de culpabilité, et décrivez sommairement les activités à l'occasion desquelles l'infraction a été commise.

été déclaré coupable d'un acte criminel prévu aux articles 467.11 à 467.13 du Code criminel (Lois révisées du Canada, 1985, chap. C-46)?

☐ Oui ☒ Non

Si oui, identifiez la ou les personnes et indiquez la nature de l'acte criminel, ainsi que la date de la déclaration de culpabilité.

¹ Voir le document intitulé : « Guide explicatif pour remplir la "Déclaration du demandeur ou du titulaire" contenant les renseignements exigés en vertu de l'article 115.8 de la Loi sur la qualité de l'environnement (L.R.Q., c. Q-2) ».

Si la case « Oui » a été cochée pour l'une des quatre questions précédentes et que le prêteur d'argent est une personne physique, indiquez ses coordonnées personnelles.

Si, pour les quatre questions précédentes, la case « Oui » a été cochée et que le prêteur d'argent est une personne morale, indiquez ses coordonnées.

				Année	Mois	Jour
Nom		Prénom		Date de naissance		
No	Rue		Bureau/Appartement			
Municipalité/Ville		Arrondissement		Code postal		
Province		Pays				
Nom						
NEQ (Numéro d'entreprise du Québec)						
No	Rue		Bureau/Appartement			
Municipalité/Ville		Arrondissement		Code postal		
Province		Pays				

STATUT

☐ Dirigeant

☐ Administrateur

☐ Actionnaire

IDENTIFICATION

☐ M.


☐ Mme

Indiquez les coordonnées personnelles de chacun des administrateurs, dirigeants et actionnaires de la personne morale agissant comme le prêteur d'argent. Si le nombre de cases est insuffisant, faites des copies.

				Année	Mois	Jour
Nom		Prénom		Date de naissance		
No	Rue		Bureau/Appartement			
Municipalité/Ville		Arrondissement		Code postal		
Province		Pays				

4. DÉCLARATION FORMELLE POUR UNE PERSONNE MORALE

Je déclare que les renseignements fournis dans la présente déclaration sont exacts et complets et qu'ils correspondent à ceux recueillis pour chacune des personnes visées par la déclaration.

Belleau	Guy	
Nom	Prénom	
		
Signature		
2017	06	07
Année	Mois	Jour

Le signataire doit être désigné par une résolution du conseil d'administration de la personne morale.

☒ Résolution du conseil d'administration ci-jointe mandatant le signataire.

Le ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques peut, en tout temps, vérifier et obtenir les renseignements nécessaires à l'application de la Loi sur la qualité de l'environnement.

Prenez note que le ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques peut refuser de délivrer ou de renouveler un certificat d'autorisation, le modifier, le suspendre ou le révoquer si le demandeur ou le titulaire a produit une déclaration, un document ou un renseignement faux ou s'il a dénaturé un fait important pour la délivrance, le maintien ou le renouvellement du certificat d'autorisation (article 115.5 3° de la Loi sur la qualité de l'environnement). De plus, la production d'une déclaration fausse ou trompeuse peut donner lieu à une poursuite pénale.

Résolution du conseil d'administration

Aux fins de la déclaration (article 115.8 de la Loi sur la qualité de l'environnement)

Extrait du procès-verbal de la réunion du conseil d'administration de :

Les Mines Opinaca Ltée	1146066668
Nom de la personne morale	NEQ (Numéro d'entreprise du Québec)

Lors d'une réunion du conseil d'administration tenue au :

666	Burrard Street, Suite 3400	
No	Rue	Bureau/Appartement
Vancouver		V6C 2X8
Municipalité/Ville	Arrondissement	Code postal
Colombie-Britannique	Canada	
Province	Pays	

Ayant quorum, étaient présents les membres du conseil d'administration énumérés ci-après :

Russell Ball	
Wade Bristol	
Todd White	
Lincoln Schreiner	

Désignation d'un signataire :

Sur proposition dûment constituée, appuyée et adoptée, il est résolu que :


John Whyte et Guy Belleau
Nom de la personne désignée par le conseil d'administration

soit autorisée, au nom de :

Les Mines Opinaca Ltée
Nom de la personne morale

à signer tous les documents exigés en vertu de l'article 115.8 de la Loi sur la qualité de l'environnement.

Copie certifiée d'un extrait du procès-verbal du conseil d'administration

Tudela	Anna
Nom	Prénom
	
Signature	
Corporate Secretary	
Titre	

2017
Année

06
Mois

07
Jour

DIRECTION GÉNÉRALE DE L'ÉVALUATION ENVIRONNEMENTALE ET STRATÉGIQUE

Preliminary information on
a project in a northern region

September 2016

*Développement durable,
Environnement et Lutte
contre les changements
climatiques*

Québec  

INTRODUCTION

Sections 22 and 23 of the James Bay and Northern Québec Agreement (JBNQA) establish an environmental and social protection regime for northern Québec. They also address areas of federal and Québec jurisdiction. Areas falling under Québec jurisdiction were entrenched in Chapter II of the Environment Quality Act (R.S.Q., c. Q-2) (EQA).

Chapter II of the EQA sets out the environmental and social impact assessment and review procedures for the territories of James Bay and Nunavik (<http://www.mddelcc.gouv.qc.ca/evaluations/mil-nordique/index-en.htm>). Different procedures apply in southern Québec and the Moinier region.

Projects automatically subject to one of the procedures for northern Québec are listed in Schedule A of the EQA, and projects automatically exempt from the procedures are listed in Schedule B. Projects not listed in either of the schedules, or so-called “grey-zone” projects, must be submitted to the Ministère du Développement durable, de l’Environnement et de la Lutte contre les changements climatiques for a decision as to whether or not they should be submitted to the applicable assessment and review procedure.

No person may carry out or undertake any project referred to in Schedule A of the EQA or any “grey zone” project in a northern region unless a certificate of authorization or an attestation of exemption is issued by the Minister, in accordance with sections 154 and 189 of the EQA. For the purposes of obtaining the certificate or attestation, the proponent of a project must transmit the preliminary information for the planned project to the Ministère.

Transmission of the preliminary information is the first step in the assessment and review procedure. It takes the form of a written notice informing the Ministère of the proponent’s intention to undertake a given project. The attached preliminary information form¹ sets out the information that must be provided to describe the general nature of the project. The information must be clearly and concisely presented and include only those elements needed to enable a clear understanding of the project and its anticipated impacts. The proponent must submit at least ten (10) hard copies of the preliminary information and any supporting documents as well as at least four (4) electronic copies in PDF (Portable Document Format), all in French. The proponent should also submit five (5) hard copies and four (4) electronic copies in English. Additional copies may be requested depending on the scope of the project. The rules for submitting documents in electronic format are contained in the appendix.

Concerning the rules to follow for the filing of electronic documents, we invite you to comply with the instructions presented in the following document produced by BAPE under the southern procedure while making the necessary adjustments :

<http://www.bape.gouv.qc.ca/sections/documentation/DocumPDF.pdf>

¹ The project proponent may also submit the preliminary information in another form.

In addition, as of the entry into force of sections 115.5 to 115.12 of the EQA on November 4, 2011, an applicant for a certificate of authorization issued under this Act must file, as a condition for the issue, a “Déclaration du demandeur ou du titulaire d’une autorisation délivrée en vertu de la Loi sur la qualité de l’environnement (L.R.Q., c. Q-2)” along with any other documents required by the Minister. This requirement does not apply to projects deemed exempt from the assessment and review procedure for which an attestation of exemption is issued. The guide and forms relating to said declaration are available online at the following address: <http://www.mddelcc.gouv.qc.ca/lqe/index.htm>. The applicant’s declaration is confidential and a single copy must be submitted.

Since August 13, 2016, changes have been made to the fees applicable to the requests of authorization foreseen in chapter 2 of the Environment Quality Act. We invite you to look at our web site for more information about these fees : <http://www.mddelcc.gouv.qc.ca/ministere/tarification/ministere.htm> (and clic the link Évaluation environnementale, Milieu nordique).

The preliminary information form, duly completed by the project proponent, and the documents related to the applicant’s declaration and the pricing must be sent to the following address:²

Monsieur Patrick Beauchesne, sous-ministre
Provincial Administrator for the James Bay and Northern Québec Agreement
Ministère du Développement durable, de l’Environnement et de la Lutte contre les changements climatiques
Édifice Marie-Guyart, 30^e étage
675, boul. René-Lévesque Est, boîte 02
Québec (Québec) G1R 5V7
Telephone: 418-521-3933
Fax: 418-644-8222

As soon as the Ministère receives the preliminary information form, the project is entered in the public register provided for in section 118.5 of the EQA <http://www.registres.mddlcc.gouv.qc.ca/#LOE>. The preliminary information and all other documents submitted during the course of the assessment and review procedure may be made available for public consultation.

Furthermore, in accordance with the EQA, the preliminary information is transmitted to the Evaluating Committee, for projects located in the James Bay territory, or to the Kativik Environmental Quality Commission, for projects located in Nunavik. These bodies are responsible for studying the preliminary information and, in the case of projects listed in Schedule A of the EQA, making recommendations or giving an opinion, respectively, on the directives regarding the type, scope and extent of the impact assessment statement the proponent must prepare. In the case of “grey zone” projects, these bodies respectively make recommendations or a decision regarding the advisability of submitting or not submitting the project to the assessment and review procedure and, if the project is submitted, the directives for the project. They transmit their recommendations, opinions and decisions to the Ministère, which makes the final decision to either

² Projects located on Category I lands reserved for the Crees must be submitted to the Regional Environment Administrator, which is a Cree body (see Section 22 of the JBNQA).

exempt the project, in which case it issues an attestation of exemption, or to submit the project, in which case it issues directives.

The Evaluating Committee is a tripartite advisory body composed of representatives of the governments of Canada and Québec and the Cree Regional Authority. The Kativik Environmental Quality Commission is a bipartite body composed of Inuit, Naskapi and Québec government representatives. In the exercise of their functions, both bodies give due consideration to the following principles set out in sections 152 and 186 of the EQA:

- a) the protection of the hunting, fishing and trapping rights of the Native people in the territory;
- b) the protection of the environment and social milieu;
- c) the protection of the Native people, of their societies, communities and economy;
- d) the protection of the wildlife, of the physical and biological milieu and of the ecological systems of the territory;
- e) the rights and guarantees of the Native people in Category II lands;
- f) the participation of the Crees, Inuit and Naskapis in the application of the environmental and social protection regime;
- g) any rights and interest of non-Native people; and
- h) the right of the persons acting lawfully to carry out projects in the territory.

À l'usage du Ministère	Date de réception :
	Numéro de dossier :

1. Project proponent (natural or legal person)

Name:	Les Mines Opinaca Ltée	
Civic address:	1751, rue Davy	
	Rouyn-Noranda, Québec, J9Y 0A8	
Postal address (if different from civic address):	Non applicable	
Telephone:	819 865 4051	
Fax:		
Email:	france.trepanier@goldcorp.com	
Person in charge of the project:	France Trépanier	
Mandatory: Québec enterprise number (NEQ) assigned by the Registraire des entreprises du Québec	1146066668	

2. Consultant commissioned by the proponent (if applicable)

Name:	Non applicable	
Civic address:		
Postal address (if different from the civic address):		
Telephone:		
Fax:		
Email:		
Person in charge of the project:		
Mandatory: Québec enterprise number (NEQ) assigned by the Registraire des entreprises du Québec		

Where the proponent has commissioned a consultant, the proponent must submit a resolution attesting that the consultant was mandated to submit this application.

3. Project title

Request for Exemption to Chapter II of the Environmental Quality Act for Mining Exploration in three areas (VTEm Est, Central et Sud-est) of Eleonore property.

4. Project objectives and justification

Indicate the main objectives and the reasons for implementing the project.

See the complementary document

5. Project location

Indicate the location(s) where the project is likely to be carried out, the categories of land (I, II and III), the municipalities and, as a requirement, the geographic coordinates (degrees.minutes.seconds) in GEO NAD83 datum. Include an appendix containing a topographic or cadastral map illustrating the project location. The shape files used to produce the location map must be attached to the electronic version of the preliminary information.

See the complementary document

6. Description of project and alternatives under study

For each phase of the project (site development, construction, operation and restoration, if applicable), describe the principle characteristics of each project alternative, including planned activities, developments and work (clearing, dynamiting, backfilling, etc.). Briefly describe the operating procedures, technologies used, required equipment and material, raw materials, etc. Attach all documents that will help get a better grasp of project characteristics (plan, sketches and drawings, cross-section, etc.).

See the complementary document

7. Environmental components and main constraints to project implementation

For all the sites affected, briefly describe the state of the natural and human environments prior to implementation of the project, as well as the constraints to its implementation.

See the complementary document

8. Primary impacts anticipated

Briefly describe the primary impacts likely to occur in the natural and human environments as a result of each phase of the project (site development, construction, operation and restoration, if applicable).

For “grey zone” projects, provide sufficient information to enable an assessment of the project’s environmental and social impacts with a view to determining whether or not the project should be submitted to the environmental and social impact assessment and review procedure. Explain the planned mitigation and restoration measures, if any.

See the complementary document

9. Public information and consultation processes

The Ministère encourages project proponents to inform and consult the public at the beginning of the planning stage as well as during preparation of the impact statement to ensure more effective integration of the project in the community and environment. Explain the various forms of public information and consultation already carried out or expected to be carried out during the project planning stage, including exchanges with the local populations, in particular the Crees, Inuit or Naskapis, and, if applicable, state the concerns expressed.

See the complementary document

10. Project schedule

Indicate the timetable for implementation of each phase of the project, bearing in mind the time required for each stage of the procedure, preparation of the impact statement, public consultations or information sessions held by the proponent or responsible committees, etc.

See the complementary document

11. Subsequent phases and related projects

If applicable, discuss subsequent phases of the proposed project, as well as any other project likely to influence the project design.

See the complementary document

12. Signature of the applicant

I, France Trépanier, Environment coordinator, hereby certify that the information provided in this preliminary information form is accurate to the best of my knowledge.



Signature of applicant or authorized signatory

29/11/2017

Date

Application for exemption from Chapter II of the Environnement Quality Act for mining exploration work in three sectors of the Éléonore property

Complementary document

Les Mines Opinaca Ltée



Environnement & Geoscience

November | 2017

Final Report - Rev00
Internal Ref. 609918



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Application for exemption from Chapter II of the Environment Quality Act for mining exploration work in three sectors of the Éléonore property

Complementary document

Les Mines Opinaca Ltée
Environment Department
1751 Rue Davy
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FINAL VERSION

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Translation reviewed by: Les Mines Opinaca Ltée

Our File #: 609918
Our document #: Final Report – F00

November 2017

Distribution: Ms. France Trépanier, Les Mines Opinaca Ltée
Mr. Stéphane Gosselin, Les Mines Opinaca Ltée

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SNC-Lavalin GEM Québec inc.



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Appendix 1

Maps

(Documents prepared by MOL)

This report is composed of 32 pages, including the appendices, and may not be reproduced in whole or in part without the authorization of SNC-Lavalin GEM Québec inc.

Introduction

Following the environmental and social impact assessment and review process by the Comité d'examen (COMEX - Review Committee), the Ministère du développement durable, de l'environnement de la faune et des parcs (MDDEFP) authorized the Éléonore mining project on November 10, 2011 by an overall certificate of authorization (Your Ref. : 3214-14-042) under section 164 of the Environment Quality Act (EQA).

The exploration activities are continuing to specify the extent and nature of the deposits on the properties of Les Mines Opinaca Ltée (MOL) and Goldcorp. These activities include, in particular, exploratory trenching.

MOL is filing this application for exemption from Chapter II of the EQA, under section 154 of that Act, to carry out mining exploration work on the Éléonore property.

This application is independent of the work performed in 2017 in the "Old Camp" and "East" sectors, for which a certificate of exemption was issued on June 14, 2017 (Your Ref. : 3214-14-042). Moreover, this application is independent of an application for exemption currently in preparation, which will be submitted in the next few weeks, for exploration work on the Éléonore, Wabamisk and Olga properties.

This report is a complementary document to the form entitled "Renseignements préliminaires pour la réalisation d'un projet en milieu nordique" (Preliminary information on a project in a northern region). It describes in detail the information that could not be included due to the lack of available space and following the numbering and terminology used in the form to facilitate the link between the two documents.

1 Project proponent

See the form.

2 Consultant commissioned by the proponent

Not applicable.

3 Project title

See the form.

4 Project objectives and justification

4.1 Context

Les Mines Opinaca Ltée (MOL) carries out exploratory work each year with the goal of specifying the extent and nature of the gold deposits in the sectors where claims have been issued to MOL and Goldcorp by the Ministère de l'Énergie et des Ressources Naturelles. MOL acts as operator for the exploration of these claims. This work includes, in particular, borehole drilling and exploratory trenching.

Schedule A of the EQA, entitled *Projects Automatically Subject to the Assessment and Review Procedure*, specifies that "mining exploration projects are not automatically subject to the assessment and review procedure contemplated in sections 153 to 167".

Schedule B of the EQA, entitled *Projects Automatically Exempt from the Assessment and Review Procedure*, does not explicitly mention exploratory trenching activities, although it specifies in paragraph (g) that "all testing, preliminary investigation, research, experiments outside the plant, aerial or ground reconnaissance work and survey or technical survey works prior to any project" are automatically exempt for this procedure.

Thus, exploratory borehole drilling (core sampling) is exempt from the assessment and review procedure contemplated in sections 153 to 167 of the EQA under Schedule B of the EQA. However, to the extent that the exploratory trenches anticipated by MOL are not automatically exempt from this assessment and review procedure, MOL is submitting this application for exemption from Chapter II of the EQA for this work, which will be performed on the Éléonore property.

4.2 Project extent and justification

The extent of this application covers the exploration activities on the Éléonore property during the year 2018, in three distinct sectors: the "VTEM East", "Central" and "Southeast" sectors. Each exploratory trench will involve:

- › a maximum total area of 1 hectare;
- › management of a maximum of 1000 m³ of overburden.

5 Project location

The mining exploration work will be conducted on the Éléonore property, located in the Nord-du-Québec administrative region, in the territory of the Eeyou Istchee James Bay Regional Government, on Class III public lands.

More specifically, the Éléonore property is located northeast of the Opinaca Reservoir, approximately 190 km east of the Cree community of Wemindji.

The location of the three sectors is presented in the project overview in Appendix 1. Detailed maps for each sector are also presented in Appendix 1.

6 Description of project and alternatives under study

This section presents the main activities required for the exploration work, namely access to the job sites, the trenches, water management, overburden management, and restoration of the sites after the work.

6.1 Access to the sites

The following subsections generally present the two projected methods of transporting machinery and equipment. Access to the "Central" and "Southeast" sectors will be by air. Access to the "VTEM East" sector will probably be by land transport, given the proximity of this site to the existing roads of the Éléonore mining site. However, the air transport method could be chosen.

6.1.1 Land transport

The priority method of transporting machinery and equipment to the "VTEM East" will be by truck, using the existing access road to the mining traffic site. However, the development of secondary access trails will be required, that would link the existing road to the projected trenches. The precise route of these trails is not currently determined but the combined total length of the trails is estimated at 550 m.

These access trails would be built in compliance with the *Regulation respecting standards of forest management for forests in the domain of the State* (RSFM). These trails would be developed outside any water environment or wetland. No road would be located within 60 m of a water environment while running alongside it for a distance of more than 300 m. Moreover, the routes chosen for these access trails will minimize timber cutting.

Prior authorizations will be requested from the government authorities, as applicable, depending on the routes decided and the scope of the works to be undertaken.

6.1.2 Air transport

Access to the "Central" and "Southeast" sectors will be by helicopter. In the event machinery and equipment cannot be transported by land to the "VTEM East" sector, they will also be delivered to the exploration sites by helicopter.

6.2 Trenches

The trenches will be dug with small power shovels. Pumping equipment will also be used. The machinery and equipment will run on diesel.

6.2.1 Description of activities

The term *Trench* refers to an excavation to the bedrock when there is no visible existing outcrop. Trench edges are shored or dug on an angle to allow their stability and the workers' safety. The depth of a trench varies according to the thickness of the overburden. The trench is dug according to a generally rectangular form and is filled at the end of the campaign, except if it presents special geological interest (see section 6.5)

6.2.2 Location and dimensions of trenches

Two (2) trenches are projected in the "VTEM East" sector, four (4) in the "Central" sector and six (6) in the "Southwest" sector, for a total of twelve (12) exploratory trenches of the 2018 campaign on the Éléonore property.

The location of the work presented on the maps in Appendix 1 is approximate and will be adjusted to the land, particularly to avoid any encroachment on wetlands. The wetlands will be characterized and identified prior to locating the trenches. Moreover, the location of certain trenches could be adjusted during the work, if the soil conditions encountered during digging are an obstacle (very thick overburden, presence of groundwater, etc.). In this case, the uncompleted trench would be filled and moved further away in the same sector.

The dimensions of the trenches in each sector will be variable. However, the volume of overburden excavated for each trench will be less than 1000 m³ and the area of each trench will be less than 1 hectare.

6.3 Overburden management

The volumes of overburden excavated during trenching will be piled near the survey site. These piles will be located more than 30 m from any water environment or wetland. These materials will be reused for restoration of the sites (section 6.5).

6.4 Water management

All wash water and runoff water on the trench sites will be captured in settling ponds before being directed, by gravity or pumping, to vegetation zones located more than 30 m from any water environment or wetland. These ponds will be developed with the overburden moved during excavation of the trench.

A sufficient number of ponds will be developed downstream from the survey areas so as to allow suspended particulate matter to settle slowly. Sediment barriers will be installed upstream from these settling structures. The settled water will be able to flow naturally, by gravity, via spillways to the vegetation zones.

Berms will be added as required downstream of the pond spillways so as to minimize the release of suspended particulate matter into vegetation zones. They then will act as buffer and filtration zones before eventual runoff to a water environment (watercourse or water body) or wetland. If drainage does not occur naturally, settled water will be mechanically pumped to ensure that outtake water is expelled sufficiently far away from water and sensitive habitats.

6.5 Site restoration

Excavated, segregated and piled materials (humus and mineral soil) will generally be put back in place (backfilled) in trenches in successive layers according to the original stratification.

Backfilling will normally occur once the exploratory work (description and sampling of exposed surfaces) has been completed. The soil surface will be contoured according to the existing topography of the land so as to promote natural drainage present before work was undertaken. Once backfilling is completed, topsoil will be stabilized on an as-needed basis by means of

herbaceous seeding containing indigenous and rustic plant species so as to prevent wind and water erosion.

Should a trench area or site present particular or exceptional geological interest, prior authorization will be sought from the Ministère de l'Énergie et des Ressources Naturelles du Québec (MERN) to have the site in question recognized. Should such an occurrence take place, excavated materials will be left in place for an undetermined period (over a year) and stabilized by means of herbaceous seeding containing indigenous and rustic plant species so as to prevent wind and water erosion. Excavations presenting safety hazards to workers, users of the territory or animals would be secured by signs and fences. In the event that it is impossible to ensure the stability and safety of excavations, these will have to be backfilled and restored, as described.

6.6 Trench register

MOL will keep an up-to-date register of all trenches dug on the Éléonore property. This register will contain at least the following information:

- › Identification code;
- › Geographic coordinates;
- › Start date of the analysis and sampling work;
- › End date of the analysis and sampling work;
- › Level of progress of restoration.

7 Environmental components and main constraints to project implementation

This section briefly describes the biophysical and human environments in three sectors under study of the Éléonore property. The information presented mainly comes from the impact study of the Éléonore project (Golder, 2010) and complementary biophysical inventories on the Éléonore mine site (Englobe, 2015).

7.1 Biophysical environment

7.1.1 Hydrology

The main water environment present on the Éléonore property is the Opinaca Reservoir. This reservoir covers an area of 1040 km² and its capacity is 3.39 billion m³. The water level of the Opinaca Reservoir varies by four metres. The minimum and maximum operating levels are fixed at the elevations of 211.8 m and 215.8 m respectively (Hydro-Québec Production, 2004).

The main rivers flowing in the Éléonore property are the Opinaca and Gipouloux Rivers, two tributaries of the reservoir located respectively north and east of it.

7.1.2 Vegetation and wetlands

7.1.2.1 Vegetation

The Éléonore property is located in the boreal taiga, more specifically in the spruce-lichen forest domain. This domain is characterized by low-density forest cover, where black spruce punctuate the mat of lichen. The balsam fir and the jack pine reach the northern limit of their range here. Fire has ravaged vast stretches of this bioclimatic domain (MFFP, 2017a).

7.1.2.2 Wetlands

Wetlands are abundant in the sector and are mainly composed of bogs (Golder, 2010).

According to the available information presented in the maps in Appendix 1, the trenches projected in the "VTEM East" sector are not located in wetlands. The trenches in the "Central" and "Southeast" sectors are potentially located in wetlands. However, the precise location of the work will be adjusted to the land in order to avoid encroachments on wetlands.

7.1.3 Fauna

Among the large mammals inventoried are moose (*Alces americanus*), woodland caribou (*Rangifer tarandus*), wolf (*Canis lupus*) and black bear (*Ursus americanus*) (Golder, 2010).

Among the small and medium-sized mammals inventoried or potentially found in the sector are beaver (*Castor canadensis*), red fox (*Vulpes vulpes*), Canada lynx (*Lynx canadensis*), snowshoe hare (*Lepus americanus*), Eastern porcupine (*Erethizon dorsatum*) and certain mustelids, such as North American river otter (*Lutra canadensis*), ermine (*Neovison erminea*), fisher (*Martes pennanti*), pine marten (*Martes americana*), American mink (*Mustela vison*) and least weasel (*Mustela nivalis*). Several micromammals are also inventoried, belonging to the field mouse, shrew, vole and lemming genera (Golder, 2010).

Among the amphibians and reptiles, the mink frog (*Rana septentrionalis*), spring peeper (*Pseudacris crucifer*), American toad (*Anaxyrus americanus*) and wood frog (*Lithobates sylvaticus*) were inventoried in the sector. These last three species are associated with the region's wetlands. The common garter snake (*Thamnophis sirtalis*) has also been observed. It is probably the only reptile present in the study zone (Golder, 2010).

Ninety bird species have been inventoried, belonging to different groups of waterfowl, shorebirds, forest birds or birds of prey. We should mention the presence of Canada goose (*Branta canadensis*), black duck (*Anas rubripes*), common merganser (*Mergus merganser*) and green-winged teal (*Anas crecca*) among waterfowl; Wilson's snipe (*Gallinago delicata*), greater yellowlegs (*Tringa melanoleuca*), least sandpiper (*Calidris minutilla*), short-billed dowitcher (*Limnodromus griseus*), solitary sandpiper (*Tringa solitaria*), spotted sandpiper (*Actitis macularia*), killdeer (*Charadrius vociferus*) and lesser yellowlegs (*Tringa flavipes*) among the shorebirds. The birds of prey inventoried are osprey (*Pandion haliaetus*), bald eagle (*Haliaeetus leucocephalus*), Anatum Peregrine Falcon (*Falco peregrinus anatum*), red-tailed hawk (*Buteo jamaicensis*), hen harrier (*Circus cyaneus*), merlin (*Falco columbarius*) and American Kestrel (*Falco sparverius*) (Golder, 2010 and Englobe, 2015).

Concerning ichthyofauna, twenty-two species of fish were caught in the Opinaca Reservoir and its tributaries between 1976 and 2012. Among them, walleye, northern pike and lake whitefish are the most represented. The lake sturgeon is also found there. A confirmed spawning ground of this species is located in the Opinaca River (Kaweshekami Environnement, 2013).

7.1.4 Special-status plant and wildlife species

7.1.4.1 Flora

The plant inventories conducted in 2002, 2008 and 2015 in the Éléonore mine site zone (Golder, 2010 and Englobe, 2015), did not reveal any special-status plant species.

Moreover, no exceptional forest ecosystem is present in the study sector (MFFP, 2017b).

7.1.4.2 Fauna

The following table summarizes the available information regarding the presence of special-status wildlife species under the provincial and federal regulations for each sector.

Table 7-1 Special-status wildlife species

Common name	Status	
	Provincial (ATVS)	Federal (SARA)
Birds		
Anatum Peregrine Falcon	Vul.	Spec.
Bald Eagle	Vul.	-
Olive-sided Flycatcher	Like.	Thr.
Rusty Blackbird	Like.	Spec.
Nelson's Sharp-tailed Sparrow	Like.	-
Mammals		
Woodland Caribou, forest ecotype	Vul.	Thr.
Least Weasel	Like.	-
Fish		
Lake Sturgeon	Like.	-

Source: Golder, 2010

ATVS: Act respecting threatened or vulnerable species; **SARA:** Species at Risk Act

Like.: Likely to become threatened; **Vul.:** Vulnerable; **Spe.:** Species of special concern; **Thr.:** Threatened

7.2 Human environment

The three sectors are located on Class III public lands, in Cree hunting territory VC 29, a territory under the responsibility of tallyman Angus Mayappo.

Trapping usually takes place between late fall and the spring thaw period. The moose and caribou hunt is held in fall and winter, while the goose hunt takes place during two weeks in spring. Fishing activities are practised in summer and fall, but also in winter for certain species. The summer months are particularly dedicated to collective activities, such as berry picking, recreational activities, community meetings and visits (Golder, 2010).

7.2.1 Consultations

Ms. Jacynthe Lafond, Community Commitment and Corporate Social Responsibility Coordinator for MOL, had a discussion by phone regarding the project on October 5, 2017 with tallyman Angus Mayappo and his spouse, Ms. Stéphanie Georgekish.

In particular, this meeting made it possible to present the proposed location of the trenches and describe the nature of the projected work. Mr. Mayappo did not express major concerns regarding the project. However, he asked Ms. Lafond that:

- › Each trench be delimited and adequately marked with visible markers (e.g. orange tape);
- › The exact location of the trenches be communicated to him when known;
- › The possibility be evaluated of mandating a local firm to perform the work, particularly tree cutting.

Moreover, various information regarding the eventual location of burial sites, legendary sites, traditional meeting places, camps and places favoured for hunting was exchanged during this meeting. This information is presented on the maps in Appendix 1 and described below for each of the three sectors. It should be noted that the location of these places remains imprecise and their cartographic representation is approximate.

7.2.2 VTEM sector

The "VTEM East" sector is located directly east of the Éléonore mine site, near the site access road, the powder house and quarry C02.

The tallyman's permanent camp is located along the site access road, about 5.5 km northeast of the "VTEM East" sector (identified as Cree Camp in the Project Overview in Appendix 1).

No hunting, fishing or trapping activity is carried on in this sector. No burial site or permanent camp is inventoried there.

Finally, no archeological site or zone with archeological potential is inventoried there (Golder, 2010).

7.2.3 Central sector

The "Central" sector is located on the edge of the Opinaca Reservoir, about 3 km south of the Éléonore mine site.

No hunting, fishing or trapping activity is carried on in this sector. A burial site is located about 350 m south of the closest proposed trench and a Cree permanent camp is located about 850 m to the east (this camp is identified erroneously as a "temporary camp" on the map of the Central sector in Appendix 1).

7.2.4 Southeast

The "Southeast" sector is located near the Gipouloux River, a tributary of the Opinaca Reservoir, about 8.5 km south of the Éléonore mine site.

This sector is located between two Cree hunting areas, one on the edge of the Opinaca Reservoir and the other on the shore of the Gipouloux River.

Moreover, a burial site is reported on the edge of the Opinaca Reservoir, about 700 m southwest of the closest proposed trenches and Camp Louise Mayappo (identified as a temporary camp on the map of the Southeast sector in Appendix 1) is located not far from this site.

Finally, a legendary site is reported in the sector, west of the proposed trenches, but its location remains imprecise and could not be represented on the maps.

8 Primary impacts anticipated

This section summarily describes the principal impacts on the biophysical and human environments that could be caused by the performance of the project. The mitigation measures provided for are also presented for each of the impacted components.

8.1 Biophysical environment

8.1.1 Air quality and soundscape

8.1.1.1 Impacts

The impacts on air quality will be caused by the emission of exhaust gases by machinery, vehicles and equipment. These activities will be short term and localized, so that no significant impact is apprehended for this component.

Moreover, the projected work will temporarily affect the soundscape in the three sectors by the traffic of vehicles and machinery and the use of mechanical tools.

8.1.1.2 Mitigation measures

The following mitigation measures will minimize the impacts on air quality and the soundscape:

- › Adjust and operate the engines in accordance with the manufacturer's instructions;
- › Avoid idling of any vehicle, equipment and machinery to the maximum when not in use;
- › Repair as soon as possible any site equipment that produces excessive noise or excessive exhaust gas emissions that could result from poor adjustment;
- › Maintain the equipment antipollution system in good condition.

8.1.2 Water and soil quality

8.1.2.1 Impacts

The runoff water will be charged with suspended particulate matter that potentially could run off in the direction of a water environment or a wetland. However, it is provided that this water will be captured on the edge of the excavated area and then directed to a vegetation zone far enough away from any water environment or wetland to allow settling of the suspended particulate matter. The impacts on the quality of surface water thus will be limited.

The use of machinery and equipment operating on hydrocarbons could result in losses, leaks or accidental spills. In the event such events occur, the soil, surface water and groundwater could be contaminated.

8.1.2.2 Mitigation measures

The following mitigation measures will minimize the impacts on the soil, the surface water and the groundwater:

- › Piling of excavated materials will always take place over 30 m away from any water or sensitive environment.

- › Sediment retention measures (geotextile membranes, hay bales, etc.) will be deployed around the work areas;
- › The machinery used on the sites will be inspected regularly;
- › Petroleum products and any other hazardous materials will be stored over 60 metres away from any water environment or wetland;
- › Hydrocarbon collecting trays in case of leaks or spills will be deployed under stationary equipment and machinery (generator, compressor, etc.);
- › Spill response procedures will be deployed and the personnel will be trained for this purpose;
- › Emergency spill recovery kits will be available at all times. These kits will include enough absorbent material to allow a quick and efficient response, in both aquatic and land environments.

8.1.3 Vegetation and wetlands

8.1.3.1 Impacts

The activities will require tree cutting. The precise volumes and areas are not currently determined. Tree cutting will be done outside any riparian buffer and any wetland.

The work will be located outside any wetland. For this purpose, the wetlands will be characterized and identified prior to any exploration campaign in the three sectors. These studies will allow better planning and positioning of potential trenching sites in such a way as to avoid encroachment on wetlands. The above is particularly important inasmuch as work within wetland areas presents important technical constraints (potential loss of machinery). Trenching areas will be limited to minimum size as strictly required by the mapping and sampling of zones of interest.

8.1.3.2 Mitigation measures

The following mitigation measures will minimize the impacts on vegetation and wetlands:

- › Do tree cutting only in the sectors concerned and marked in advance;
- › Restore the original surface drainage conditions in the sectors affected by the work and restore the shrub and arboreal strata with indigenous species adapted to the environment.

8.1.4 Fauna

8.1.4.1 Impacts

Tree cutting and clearing will cause disturbances to the habitat of avifauna and small mammals. These impacts will be limited to the extent the disturbed surfaces will be small in relation to the extent of the neighbouring natural territories, and verification in advance by a biologist will allow avoidance of any nests of migratory birds or birds of precarious status.

Concerning large mammals, they occupy territories with much larger areas than those that will be disturbed by the activities, and the density of large mammals is low in the sector. Thus, no impact is apprehended regarding large wildlife.

No crossing of watercourses will be required for the access trails in the "VTEM East" sector. Moreover, no trench will be dug within 30 m of a water environment, so that the apprehended impacts on the fish habitat will be low.

8.1.4.2 Mitigation measures

The following mitigation measures will minimize the impacts on wildlife:

- › Verify the absence of nests of migratory birds and nests of birds of precarious status in the work zone prior to tree cutting and move the work zone in case of the presence of such nests;
- › Favour zones already disturbed or deforested to reduce the number of lost habitats and their disturbance.

8.2 Human environment

8.2.1 Sites of interest

8.2.1.1 Impacts

No significant impact is apprehended in the "VTEM East" sectors, to the extent that no site of interest is identified there.

Concerning the "Central" and "Southeast" sectors, although the location of burial sites remains imprecise, the projected exploration activities will be located a good distance from these sites of interest, so that no negative impact is apprehended for this component.

8.2.1.2 Mitigation measures

The following mitigation measures will minimize the impacts on this component:

- › Conduct a reconnaissance visit to the three sectors prior to the work, accompanied by the tallyman, to complete the available information, locate the sites of interest on the land precisely and, as applicable, adjust the location of the trenches to avoid any impact on this component.
- › During exploration, leave in place any artifact found on the sites and inform the tallyman of the discoveries.

8.2.2 Land use

8.2.2.1 Impacts

No significant impact is apprehended in the "VTEM East" sectors, to the extent that no hunting-fishing-trapping area is located there.

Concerning the "Southeast" sector, the exploration activities could disturb the hunting activities that will be conducted in spring, summer and fall, particularly the goose hunt during the spring "goose break" and the fall moose hunt. Helicopter flights and operation of machinery could disturb and drive away the wildlife present in this sector.

8.2.2.2 Mitigation measures

The following mitigation measures will minimize the impacts on hunting activities:

- › Conduct the exploration activities in the "Southeast" sector after the goose break and before the fall moose hunting period.

9 Public information and consultation processes

MOL has informed and consulted the Cree users of the territory about the project and addressed the concerns raised, as applicable. The results of these consultations are described in section 7.2.

10 Project schedule

The exploratory trenching work will be performed in 2018. It will begin in spring 2018 and will end no later than fall 2018.

11 Subsequent phases and related projects

In 2017, MOL conducted exploration work in the "Old Camp" and "East" sectors, for which a certificate of exemption was issued on June 14, 2017 (Your Ref. : 3214-14-042).

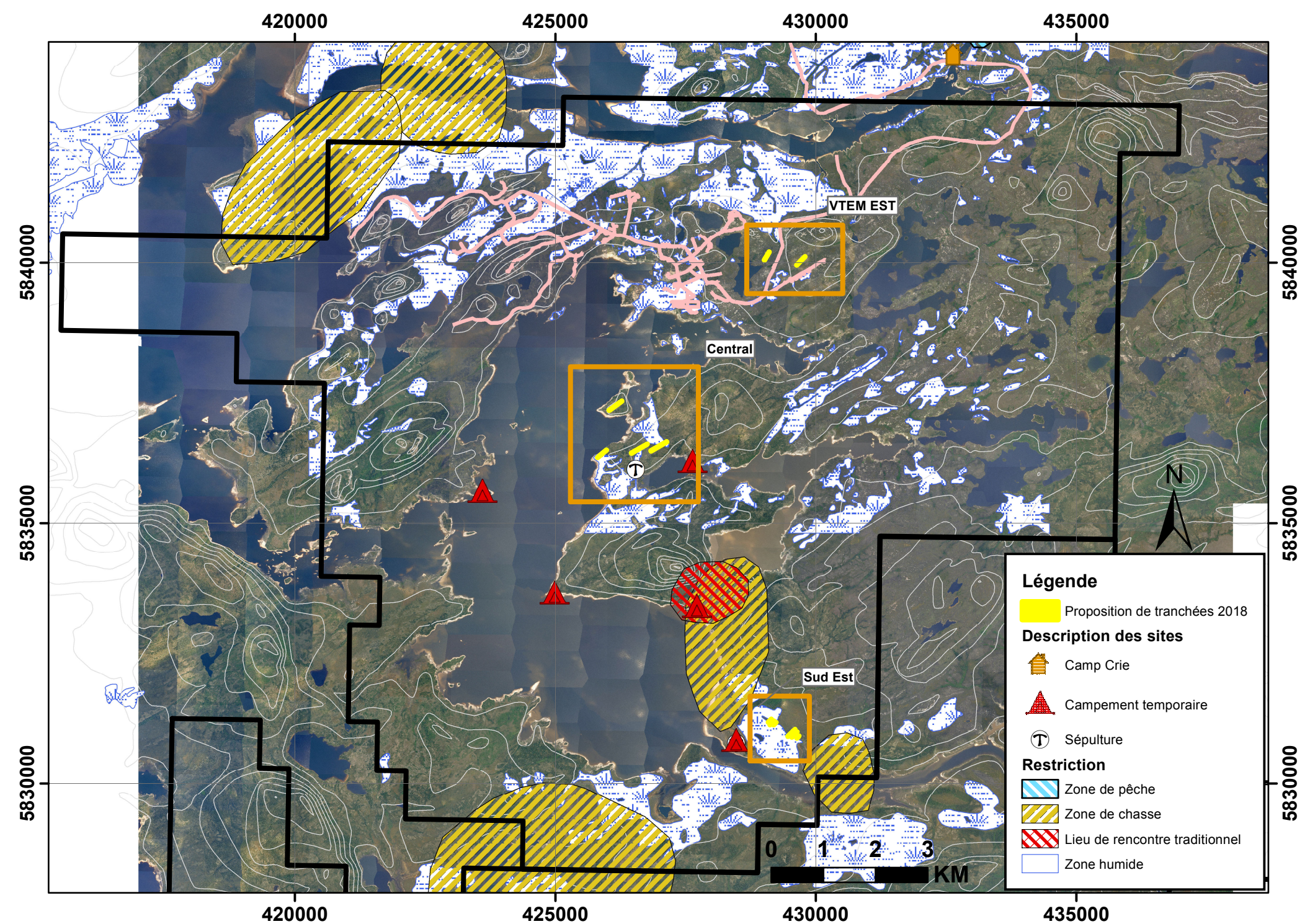
In addition, an application for exemption is currently in preparation for the exploration work in the Éléonore, Wabamisk and Olga sectors. This application will be submitted in the next few weeks.

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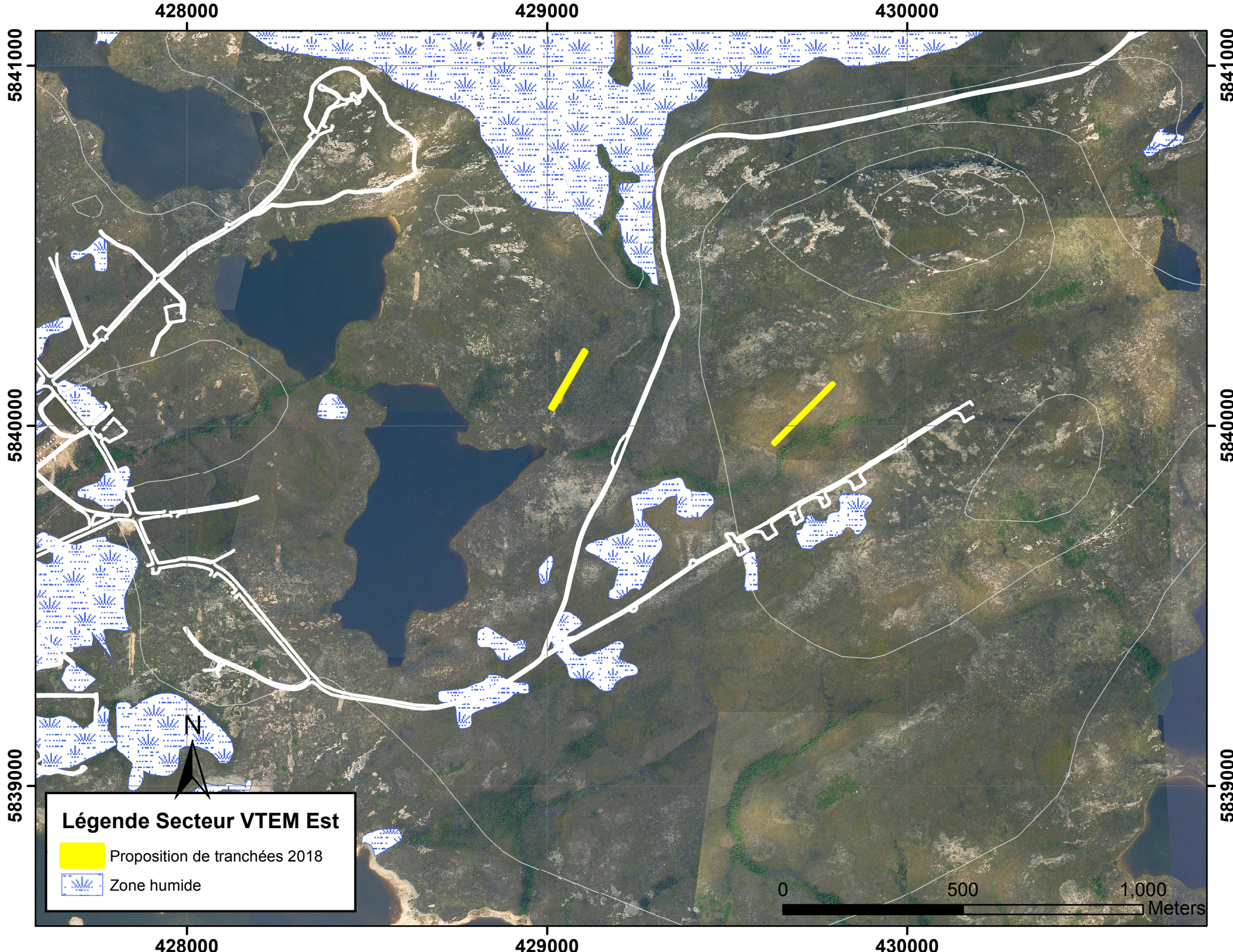
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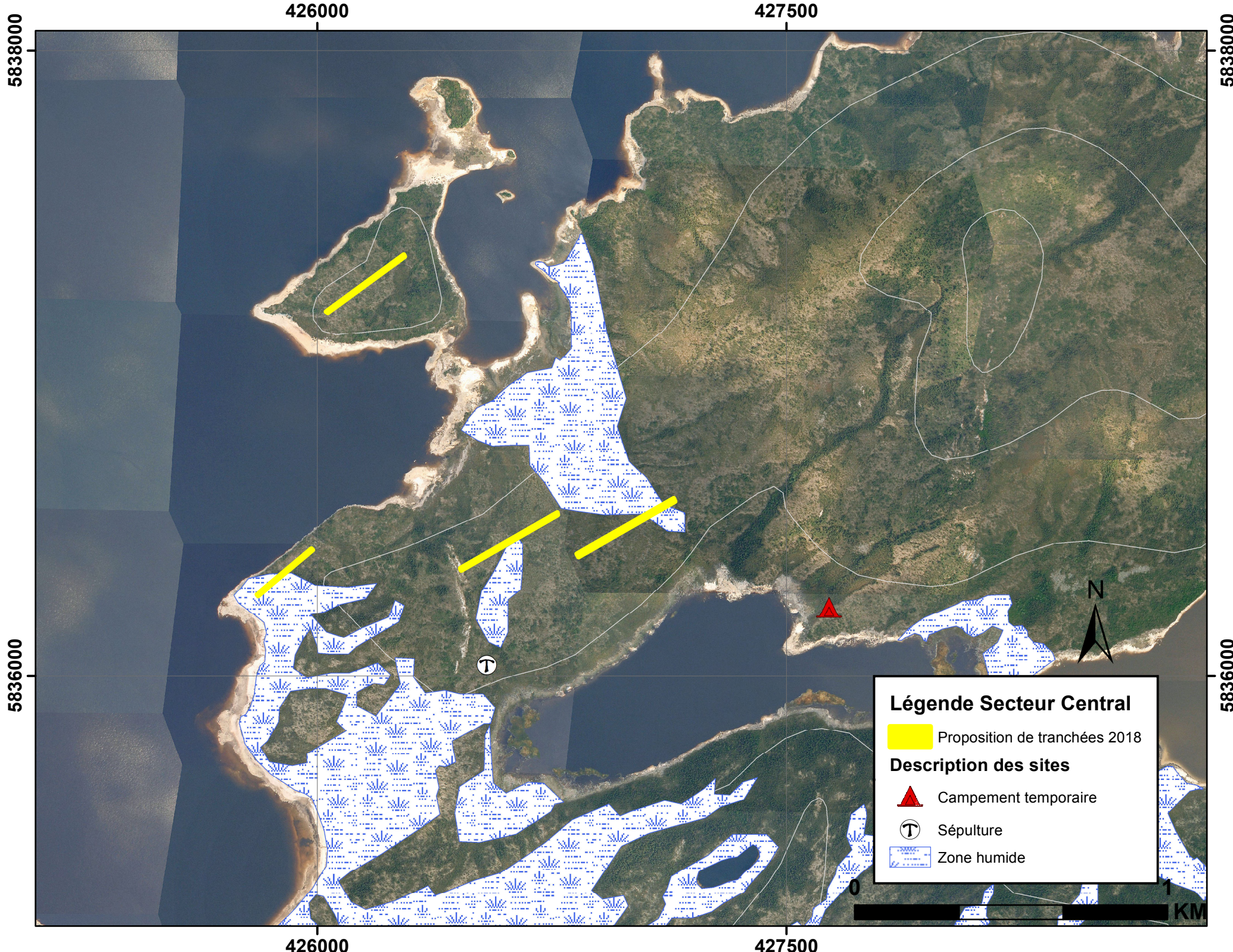
Appendix 1

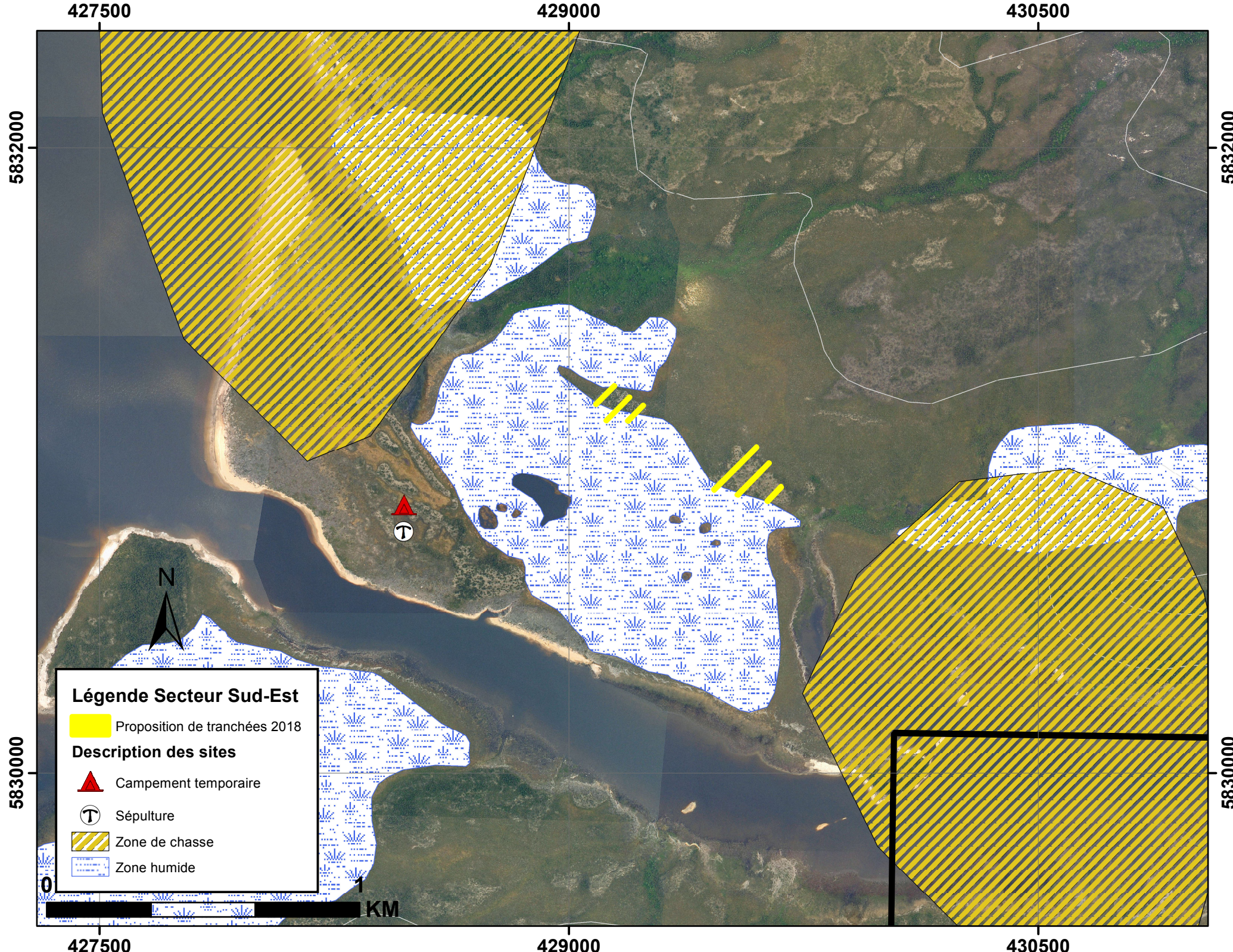
Maps
(Documents prepared by MOL)



Vue globale des décapages









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