

ISMOM-CSSS-AQSSS 2015

Field Trips and excursions

Thursday, July 9, 2015

Back to Basics: Creating Paint from Soil Workshop	6
Touristic excursion to the Montreal Botanical Gardens, Insectarium and Île Ste-Hélène	7
Organic, Mineral, and Forest Soils, and Soils in Organic Production / Sols organiques, minéraux et forestiers et sols en production biologique	8

Soil and Precision Agriculture Field Trip

Welcome to the field trip on ‘Soil and Precision Agriculture’. This trip will take you (participants) to three research farms/stations; 1) Macdonald Farm, Ste-Anne-de-Bellevue, 2) VegPro International Inc., Sherrington and 3) Agriculture and Agri-Food Canada, St-Jean-sur-Richelieu. The main focus of this field trip is to see some dominant soils on Montreal Island and area, familiarize various proximal sensors used for precision farming and some activities carried out in precision agriculture.

Schedule

08:00 am: Convening at the Residence hall, 3625 Park Avenue, Montreal

8:15 am: Bus leaves for Macdonald campus (About 40 minute bus ride)

9:00 am: Engineering workshop area: presentation of proximal soil sensing technologies/equipments

10:00 am: Visiting soil profiles (2 soil profiles)

10:45 am: Bus to Emily Lods Seed farm (Farm is also within Campus)

11:00 am: Seed farm visit

11:45 am: Bus from seed farm to Macdonald campus

12:00 pm: Lunch at Tadjahall (Faculty house at Macdonald campus)

01:30 pm: Bus from Tadjahall to VegPro International Inc. (About 50 minute of bus ride)

02:30 pm: Visit of VegPro International Inc. site (Organic soils, Precision farming)

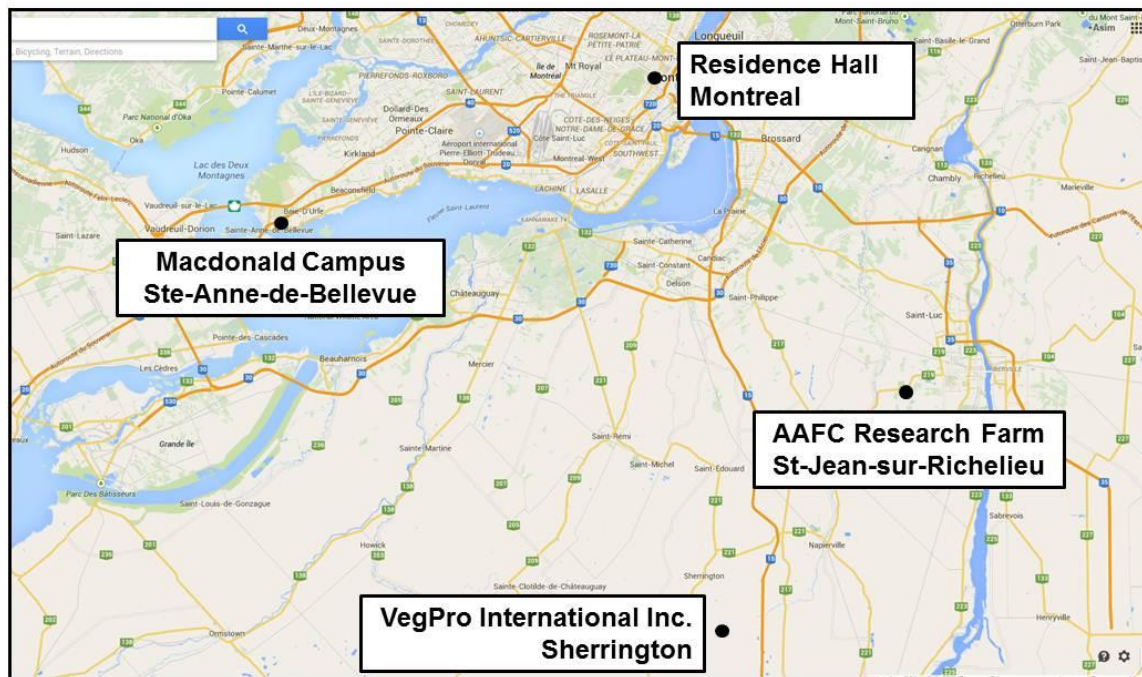
03:30 pm: Bus to AAFC

04:00 pm: Visit AAFC L’Acadie Experimental Farm, 1134 Québec 219, St-Jean-sur-Richelieu site (Precision farming)

04:45 pm: Bus from AAFC to Residence Hall

05:30 pm: Residence Hall

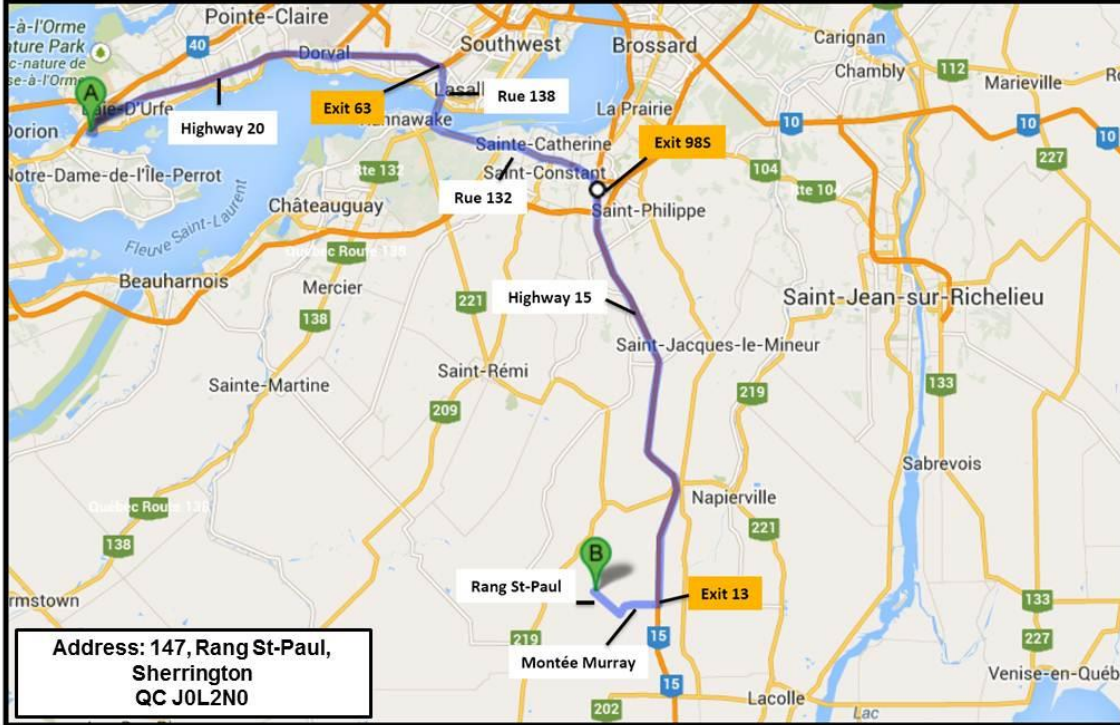
Soil and Precision Agriculture Field trip: Locations



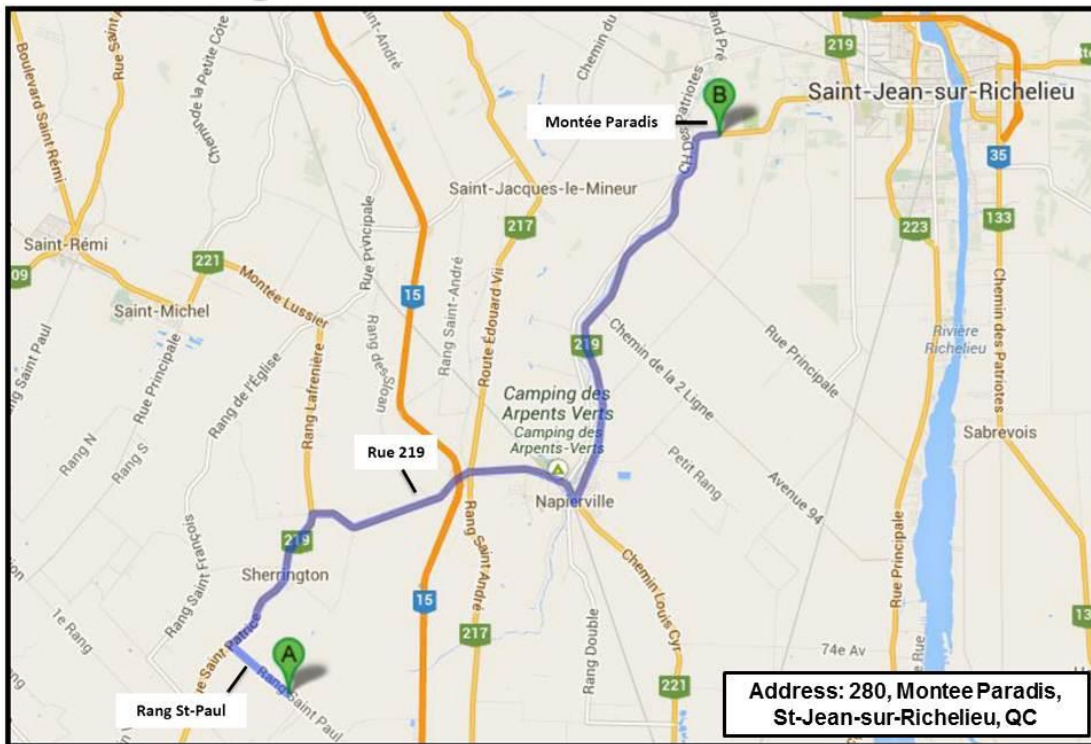
Route 1: Residence Hall to Macdonald Campus



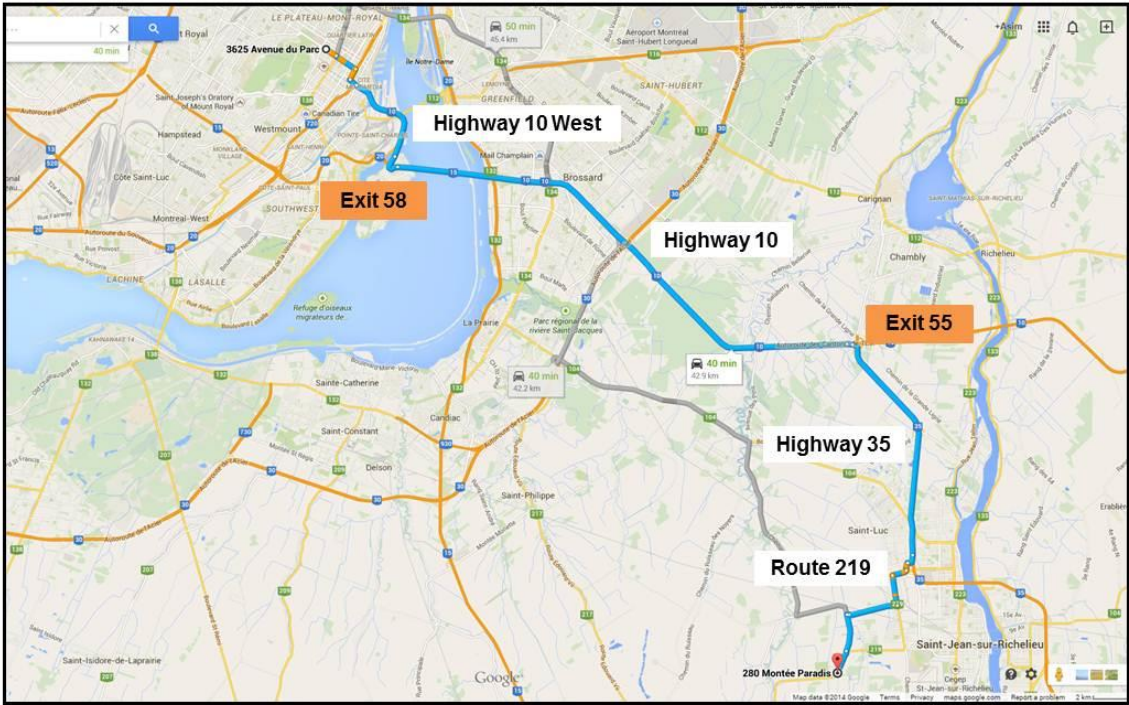
Route 2: Macdonald Campus to VegPro Int. Inc.



Route 3: VegPro Int. Inc. to AAFC Research Farm



Route 4: AAFC Research Farm to Residence Hall



Back to Basics: Creating Paint from Soil Workshop

To celebrate the International Year of Soils we wanted to create a unique experience for attendees by organizing a workshop to create pigments from soils and then paint with them. Participants will explore and play with the various techniques for preparing pigments from soils local to the Montreal area as well as other natural materials. Time will also be given in the afternoon to paint with the pigments around the McGill campus. All materials will be supplied.

Instructors: Symeon Lane (symeonlane.com) and Ken Van Rees (kenvanrees.com)

Time: 9:00 – 4:00

Location: To be determined

Cost \$100 (max 12 participants)

Touristic excursion to the Montreal Botanical Gardens, Insectarium and Île Ste-Hélène

Join us for a fun-filled day of tours to Montreal's finest tourist attractions! At the [Montreal Botanical Gardens and Insectarium](#), you will have the opportunity for a "behind the scenes" look at how the gardens and exhibits are designed and meet researchers who are responsible for curation and scientific content of the exhibits. Established in 1931 and considered to be one of the most important botanical gardens in the world due to the extent of its collections and facilities, the Montreal Botanical Gardens was designated a national historic site of Canada in 2008.

After a buffet lunch at La Stanza, we will continue to Île Ste-Hélène, which was named in 1611 by Samuel de Champlain in honour of his wife, Hélène. Military installations were built on the island to protect the city, and some of the preserved artifacts are on exhibit at the Stewart Museum ([Fort de l'Île Sainte-Hélène](#)). Another attraction is the [Biosphere](#), an interpretative museum about the Saint Lawrence River installed in the former American Pavilion from Expo 67. For those who prefer a quiet walk, there are more than 25 km of walkways, many in proximity to the Saint Lawrence River, decorated by well-manicured gardens and public art exhibits throughout the [Jean-Drapeau Park](#).

Itinerary:

8:00 am : Departure from New Residence Hall

8:30 am : arriving to Botanical Gardens and Insectarium (the visit will finish at 11:45 am)

12:00 pm : Departure from Botanical Gardens and Insectarium

12:00 pm – 1:30 pm : Buffet lunch at La Stanza

1:45 pm : Departure to l'Île St-Hélène. The bus will make three stops to drop off visitors at the Stewart Museum, the Biosphere and the Tour de Lévis (Jean-Drapeau Park).

4:15 pm : Pick-up of visitors from the Stewart Museum, the Biosphere and the Tour de Lévis (Jean-Drapeau Park).

4:45 pm : Return to the New Residence Hall

Cost: \$35 per person, lunch included

Organic, Mineral, and Forest Soils, and Soils in Organic Production / Sols organiques, minéraux et forestiers et sols en production biologique

Tournée AQSSS bilingue (anglais / français) / Bilingual (English / French) Field Trip

8h00 1) New Residence Hall McGill, 3625 Avenue du Parc, Montréal

Seating : 48 places in the bus / **Rassemblement** : 48 places dans l'autobus

8h15 45 min. bus travel / 45 min. d'autobus

9h00 2) Veg Pro & Vert Nature, 147 Rang St-Paul, Sherrington

“Mesclun” production on muck soils : Cropped muck soil profile, drainage, lettuce production. /

Sols organiques en production de mesclun : Profil de sols organiques cultivés, drainage, production de laitues.

10h00 30 min. bus travel; snack & beverage in the bus / 30 min. d'autobus : Collation & breuvage dans l'autobus

10h30 3) AAC, L'Acadie Experimental Farm / AAC, Station expérimentale de L'Acadie, 1134 route 219, St-Jean-sur-Richelieu

Mineral soils, crop management and nitrogen fertilization : Agricultural soil profile, presentation of research on sustainable nitrogen fertilization practices, instruments used to estimate crop vigor. /

Sols minéraux, régie des cultures et fertilisation azotée : Profil de sols agricoles, présentation des travaux réalisés sur la régie raisonnée de la fertilisation azotée, instruments utilisés pour estimer l'état des cultures.

11h30 45 min. bus travel / 45 min. d'autobus

12h15 4) Native People House / Maison amérindienne, 510 Montée des Trente, Mont-Saint-Hilaire

Welcome, purification ceremony, drums & dance, **lunch with Native People flavour**, exhibits & shopping /

Accueil, cérémonie de purification, tambours et danse, **repas à saveur amérindienne**, expositions et boutiques

14h00 5 min. bus travel / 5 min. d'autobus

14h05 5) Gault Nature Reserve of McGill University / Réserve naturelle Gault, Université McGill

Forest soils : Landscape and typical soil profile of the Montérégiennes. /

Sols forestiers : Paysages et profils de sols forestiers des Montérégiennes

15h00 30 min. bus travel; snack & beverage in the bus / 30 min. d'autobus : Collation & breuvage dans l'autobus

15h30 6) IRDA, Plateforme d'Innovation en Agriculture Biologique (PIAB)

Soils in organic production : To develop crop management practices supporting their productivity. /

Sols en production biologique : Développer des pratiques et des régies culturales favorisant leur productivité.

16h30 30 min. bus travel / 30 min. d'autobus

17h00 1) New Residence Hall McGill

Close / Fin

