

Alberta Soils Tour 2011
Registration Form

Name: _____

Affiliation: _____

Address: _____

Phone Number: _____

Email: _____

Amount Paid: (by cheque) _____

Will meet bus in Edmonton _____

Will meet bus in Valleyview _____

Dietary needs or concerns: _____

Please make cheque payable to: Alberta Soils Tour

Mail cheques and registration form to:

Tom Goddard

206, J.G. O'Donoghue Building

7000-113 Street

Edmonton, AB

T6H 5T6

Registration and payment must be received no later than Friday July 8, 2011

Thank you! We look forward to seeing you on the Tour!



Alberta Soils Tour Sites Overview (2011) – August 3-5, 2011

Wednesday, August 3

Tour bus leaves Ellerslie Research Farm at 10 am and stops at Valleyview at 2 pm. (at the County of Greenview buildings three blocks east of the Subway on Hwy 43, at south end of Valleyview).

Kleskun Hills: (arrive at 3pm)

Landforms, original northern prairie, native grasslands and eroded hills of Kleskun Hill Natural area. Layers of sediments and remains from a pre-historic river.

Evergreen Park Pipeline Reclamation Demonstration - Centre for Excellence. Grande Prairie: (arrive at approx. 4:20 pm)

1. Demonstration of the use of woody debris in reclamation. 2. Demonstration of Low Impact pipeline construction methods and associated soil disturbance. 3. Demonstration of alternative road construction using engineered products and sand.
2. Supper at Evergreen Park Tech Center (6pm).

(Overnight at Grande Prairie – Super 8 Hotel)

Thursday, August 4.

(bus leaves the Super 8 at 8 am)

Beaverlodge Research Station, Agriculture and Agri-Food Canada: (arrive at 8:30 am)

Research plots including the measurement of multi-year release of nitrogen from annual legumes such as peas and fababeans in rotation. (Newton Lupawayi's)

Integrated management of agronomy plots including the comparison of the slow release environmentally smart nitrogen (ESN) and conventional urea on annual crops. (John O'Donovan's)

Pipestone Creek: (arrive at 9:45)

Soil profile examination for variability and transitions. Soil slumping and associated conditions.

Fossils of dinosaurs in creek banks. Most northern single species dinosaur bone bed in Canada. More than 5000 bones from more than 40 different animals. Location of proposed museum (Pipestone Creek Dinosaur Initiative). (Phil Bell, paleontologist)

Wembley pipeline reclamation site: (arrive at 11am)

Comparison of methods of pipeline soil lifts, removal and restoration. Observation and examination of restored site. (ENCANA)

Dunvegan Farms and Greenhouses: (lunch at Maples at 12:45)

Micro climate in River Valley of the Peace River and associated horticulture crops and soils.

Chris Roy farm: (arrive 1:50)

Variable rate fertilizer application using infra-red imaging maps and GPS mapping.

Peace Agriculture Research and Demonstration Association (PARDA) farm site: (arrive 2:30)

Soil and chemical residue interactions.

Whitelaw Springs: (arrive 3:25)

Impacts and risks of soil and land management on underground flowing water associated with the Grimshaw Gravels.

Farming area near the Shaftsberry Ferry: (4:10 pm)

Micro climate in Peace River Valley and associated crops and soils.

Reclaimed well site north-east of Peace River: (5:30 pm)

Methods and species interaction of forest restoration on well site. (16 treatments) Boreal Institute

Wetland/peatland restoration research project:

Laval University Master's project on methods of wetland/peatland restoration on well-site reclamation. (Boreal Forest Institute)

Supper at St. Isadore (7pm)

(Overnight at Peace River.-Nova Inn, Western Budget) (8:30 pm)

Friday, August 5.

(leave Nova Inn at 8 am)

Smoky Applied Research and Demonstration Association (SARDA) Trials & Demo's (Northern Sunrise County): (arrive 8:20 am)

Canola agronomy diagnostics, cereals, peas, and flax varieties, fertilizer placement, potential crops, peas seed treatments.

Riparian Areas Restoration Sites (Northern Sunrise County): (9:15 am)

View one of the several sites in the Heart River Watershed.

Gauthier Farms & SARDA Trials (MD Smoky River): (arrive 10:05am)

Soil pit, variable rate fertilizer fields, crop rotations, fertilizer rates by crops & tillage systems.

Valleyview (arrive noon)

Bus returns to Edmonton, arriving at 4pm.

Alberta Soils Tour notice available at:

http://www.aia.ab.ca/files/Events%20Promoted/AB_Soils_Tour_2011.pdf

Some things to remember for the tour:

Good footwear for walking (consider weather for possible wet/damp areas).

Mosquito repellent.

Possibly a hat.

Camera.

A small potting shovel (that fits in your pocket).

Snacks and drinks will be provided.

There is a toilet on the bus.

Alberta Provincial Soils Tour – 2011

Abstract

August 3-5, 2011 were excellent tour dates for 60 Soils experts, students, enthusiasts and researchers to view the soils and landscapes of the Peace Region on the 2011 Alberta Provincial Soils Tour. Including a blend of sites from agricultural soils to forest soils and peaty soils to sandy soils to heavy clays, tour participants were exposed to fertility and crop type plots, variable rate fertilizer application, forest rejuvenation, reduced industrial impact methods, dinosaur bone excavation, oilfield and pipeline land reclamations, and Peace Region landscapes. Sights were provided by farmers, AAFC-Beaverlodge, SARDA, PARDA, ARD, ENCANA, SHELL, Pipestone Creek Dinosaur Digs, Evergreen Park Center of Excellence, Whitelaw Springs, and the NAIT Boreal Research Institute at Peace River. The long days with very sunny cooperative weather, were sustained on delicious meals and great hospitality by several sponsors and municipalities, including the County of Grande Prairie and Northern Sunrise County, as well as ENCANA.

The organizing committee of Karen Raven, Tom Goddard, Randy Perkins, Michele Holden, Kabal Gill, Rene Labbe, and John Zylstra was pleased with the success of the tour and the evaluations of the tour participants. As tour coordinator, I, John Zylstra would like once again to thank the rest of the committee for their excellent work and enthusiastic involvement, without which this tour would not have happened. I also would like to thank all the participants, sponsors, and tour speakers for their enthusiasm and positive attitudes which made the tour enjoyable for everyone.

Alberta Soils Tour

Sponsors:

ARD

Encana

NAIT Boreal Research Institute

County of Grande Prairie

Northern Sunrise County

Contributors: (tour sites, speakers, committee members, and other)

AAFC

Pipestone Creek Dinosaur Initiative

Ellerslie Univ of AB research farm (parking)

MD of Greenview (parking)

SARDA

ARD

Matrix Solutions

PARDA

Nait Boreal Research Institute and SHELL

Encana

Participants of the 2011 Alberta Soils Tour

Name	Affiliation
Doug Beddome	Alberta Environment
Eric Bremer	Western Ag Innovations
Heather Budney	Tor Land Resource Inc
Bob Cameron	Mighty Peace Watershed Alliance
Baldev Chhabra	Alberta Environment
Rhonda Clarke-Gauthier	Mighty Peace Watershed Alliance
Marlow Currie	National Energy Board
Mark Cutts	Alberta Agriculture and Rural Development
Kara Dallaire	AMEC
Sawyer Desaulniers	University of Alberta
Martin Doki	BEST Environmental Technologies
Susanna Doki	BEST Environmental Technologies
Rob Dunn	Alberta Agriculture and Rural Development
Alan Efetha	Alberta Agriculture and Rural Development
Andrew Fehr	Alberta Agriculture and Rural Development
James Fujikawa	NRCB
Kabal Gill	SARDA
Tom Goddard	Alberta Agriculture and Rural Development
Russell Green-Osbourne	University of Alberta
Sanjay Gupta	University of Alberta
XiYing Hao	Agriculture and Agri-Food Canada
Amy Heidman	O'Kane Consultants
Sheldon Helbert	Polymath Env. Consulting
Brett Hill	Agriculture and Agri-Food Canada
Michelle Holden	PARDA
Tony Huether	PARDA
Rene Labbé	Matrix Solutions Inc
Chunli Li	Agriculture and Agri-Food Canada
Yang Luo	Agriculture and Agri-Food Canada
Maureen Mitchell	National Energy Board
Jennifer Morin	Indian Oil and Gas Canada
Aaron Noel	BEST Environmental Technologies
Abimbola Ojekanmi	Syncrude Canada
Kelly Ostermann	Polymath Env Consulting
Manna Parseyan	Tor Land Resource Inc
Bill Pelech	Alberta Environment
Randy Perkins	University of Alberta
Leigh-Anne Powers	Alberta Agriculture and Rural Development
Leah Predy	University of Alberta
Ryan Puhlmann	Alberta Agriculture and Rural Development

Troy Radtke	Western Ag Innovations
Karen Raven	Alberta Agriculture and Rural Development
Craig Richter	Concordia University
Eve Rohini	BEST Environmental Technologies
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Tammy Uzelman	AMEC
Sarah Webb	University of Alberta
Debbie Werk	Alberta Agriculture and Rural Development
Andrea Wiebe	University of Alberta
John Zylstra	Alberta Agriculture and Rural Development