

He holds two degrees completed at the University of Alberta in Edmonton: B.Sc. (Agriculture), with majors in soil science and agronomy in 1978; and B.Sc. (Forestry) completed in 1994. Mr. R. Proudfoot has acquired approximately 40 years of experience in assessing soils, terrain and vegetation throughout Alberta and northeastern British Columbia as either a consultant or provincial government regulator.

Mr. R. Proudfoot was employed as an intermediate/senior project environmental scientist with Thurber Engineering Ltd. in Edmonton from 2003 to 2015, where he conducted various environmental site assessments, remediation and reclamation projects. Mr. Proudfoot previously worked as a soil specialist with Alberta Agriculture and Forestry in Lethbridge from 1978 to 1987, where he conducted on-farm irrigation assessments for water rights or licenses and also carried out larger soil/terrain assessments or saline/wetland inventories for irrigation districts

where canals were being developed or rehabilitated. He worked as an agro-forester in Bornu State, Nigeria, managing a tree nursery and market garden seconded by Mennonite Central Committee to Church of Christ in Nigeria, from 1988 to 1991.

#### **4) MEMBERSHIPS**

Soil & Forestry Consulting is a member of the following groups:

- Resource Industry Suppliers Association of Alberta;
- Environmental Services Association of Alberta;
- Canadian Land Reclamation Association;
- Canadian Brownfields Network; and
- Canadian Institute of Forestry.

#### **5) CONTACT INFORMATION**

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### **SOIL & FORESTRY CONSULTING**

#### **1) INTRODUCTION**

Soil & Forestry Consulting, re-opened in October 2015 and based in Edmonton, provides environmental consulting services to commercial and industrial clients in urban areas as well as to agricultural and forestry clients across Alberta. We also subcontract to larger consulting firms that provide services to clients involved in road construction, electrical or energy generation, mining, development of new residential subdivisions or commercial/industrial properties and installation of sewer, water or oilfield pipelines.

#### **2) SERVICES PROVIDED**

Soil & Forestry Consulting provides the following services:

- Irrigation assessments;
- Range health assessments;
- Silvicultural surveys;



- Farmland assessments for application of recycled wastes;
- Assessment of farmland or riparian areas proposed for country residential development;
- Environmental assessments;
- Remediation or risk management of contaminated sites;
- Pre-disturbance and post reclamation assessments of sites disturbed for industrial activities;
- Alternative dispute resolution (mediation or arbitration); and
- Freelance writing or editing of manuscripts.

### **3) BACKGROUND**

Soil & Forestry Consulting was established in 1994 and operated until 2003, during which time we conducted various field-based projects: Level II land irrigability classification and agricultural feasibility study reports for

proposed irrigation projects; silvicultural surveys or establishment, maintenance and measurement hybrid poplar plantations for Alberta-Pacific Forest Industries Inc., Daishowa-Marubeni International Ltd. (DMI) and Weyerhaeuser Company Ltd. We completed post-harvest silvicultural prescriptions on 200 abandoned oil or gas wells within DMI's Forest Management Agreement area; and carried out Northern Interior Vegetation Management Association (NIVMA) plot surveys in forestry cut blocks in northeastern BC for Ministry of Forests and forestry companies near Hinton and Whitecourt, under another NIVMA contractor.

Our staff surveyed fields and conducted soil assessments to monitor pH, salinity, and nutrients and heavy metals concentrations on farmland being treated with sewage biosolids and/or lime for City of Edmonton *Nutri-Gold Project*. Soil & Forestry Consulting provided detailed soil, vegetation and/or terrain assessments for reclaimed

coal mine sites, Department of National Defence, woodlot owners or University of Alberta research scientists in Alberta. We also collaborated with Symbiotech Research Inc. of Edmonton to promote, test and sell mycorrhizal fungi inoculants for commercial fruit orchards or out-planted tree seedlings on farmland, forestry cut blocks or reclaimed coal mine or oil sands tailings. Soil & Forestry Consulting subcontracted to three geotechnical engineering firms, to provide topsoil conservation assessments and borrow pit assessments along highway or bridge upgrading projects. We were a soil sub consultant in environmental impact assessments of future Alberta oil sands mines, directed by Golder Associates.

Robert G. Proudfoot, P.Ag., RPF, the owner/operator of Soil & Forestry Consulting, is both a professional agrologist with Alberta Institute of Agrologists since 1981 and a registered professional forester with College of Alberta Professional Foresters since 1998.