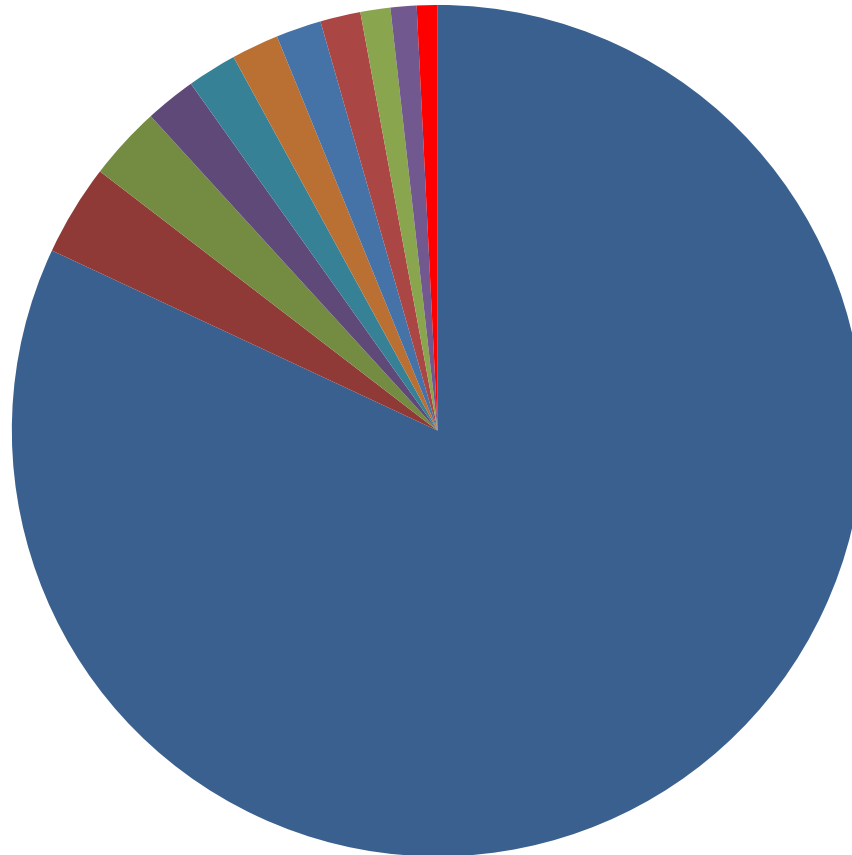


A Smart Look at the Alberta Soil Information Viewer

David Spiess
Alberta Agriculture and Forestry

Why Take a Smart Look?

Agriculture and Forestry Visits (January 2017)



- All other AF Web page visits
- Agriculture and Forestry Main Page
- General Store For Sale and Wanted
- Bushel / Tonne Converter
- Hay, Straw and Pasture Listings
- General Store: Livestock Listings
- General Store: Hay, Straw and Pasture Listings
- General Store: Livestock Listings
- Agriculture Tab on Agriculture and Forestry Webpage
- Alberta Climate Information Service (ACIS)
- Alberta Soil Information Viewer

Why Take a Smart Look?

- **The Alberta Soil Information Viewer (ASIV) brings in a significant amount of internet traffic.**
- **Explosion in the use of smart phone devices.**
- **Improved User experience and smart device access.**
- **Underlying technology was forcing the upgrade of the Soil Information Viewer.**
- **Continued delivery to Digital Soil Information services in Agricultural Area of Alberta into the future.**

What's New with the Alberta Soil Information Viewer

- **Quicker Access to:**
 - General Soil Information
 - Soil Suitability Information
- **More Specific Soil Information**
- **Simplified Search and Zoom**
- **Newer satellite image back drop**
 - 2015 vintage
 - False Color infrared composite
 - 1.5 meter resolution.
- **Scenario Based (functional mode) workflow**
- **Now Accessible by Apple (iOS) devices.**
- **soilinformation.alberta.ca (Welcome Page)**

Project and Client Identification

- **Client Survey to check assumptions. Recommended more scenario based functionality.**
- **Redevelopment of an existing application.**
- **Client identification was based on support calls received.**
 - Farmers, ranchers, and custom operators
 - Fertilizer dealer representatives, soil consultants
 - Environment consultants.
 - Government and non-profit research organizations.
 - Educators.
 - Crop insurance agents and bank loan officers.
 - Realtors, land developers, solicitors.
 - Utility and resource extraction companies.
 - Wastewater managers

Many Thanks !!

- **Individuals were assigned to the team based on the skills and knowledge required.**
 - The management and approvals role
 - Sean Royer, Rick Atkins, Len Kryzanowski, Karen Raven, David Spiess, Karla Doherty,
 - Fujitsu: Darren Caharel, Clarke Beattie, Ken Schwartz,
 - The business requirements, business analysis, application testing administration
 - David Spiess, David Hildebrand, Michael Bock
 - Fujitsu: Clark Beattie, Jean-Francois Meunier, Alexandre Roy, and Tania Roy.
 - The application development and deployment role
 - Albert Leung, Justin Cenedese, Bill Tian, Ian Gin, Ross Sheppard, Anita Nelson, Zachary Taschuk
 - Fujitsu: Clark Beattie, Jean-Francois Meunier, Alexandre Roy, and Tania Roy.

A Smart Look at the Alberta Soil Information Viewer

David Spiess
Alberta Agriculture and Forestry

High Level Time Line

- **A formal opportunity request was made and reviewed by Information Technology Services.**
- **Business requirements were gathered, reported, and costs were estimated.**
- **This document was the basis for approving a formal project.**
- **Once approved a more detailed development plan was published, reviewed and approved.**
- **Development was carried out in two phases:**
 - Survey November 2015 – February 2016.
 - Detail design, development, testing and deployment to the Public April – Mid-December 2016.

Workshop Agenda

- **Run the Viewer**
- **Learn How to:**
 - Get Started
 - Find Your Farm (or Project)
 - Know Your Soil
 - Find Your Soil
 - Know your Land Suitability
 - Map Your Farm (or Project)
 - Save Your Map