Links Between North American Soil Geochemical Landscaps Project and Agriculture and Agri-Food Canada

David Kroetsch

Agriculture and Agri-Food Canada

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Canada

North American Soil Geochemical Landscapes Project

Presenter: David Kroetsch

Organization: Agriculture and Agri-Food Canada

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Data Application

Benefits of the NASGLP to AAFC

Enhances AAFC ability to provide elemental concentration issues on major soil types – within AAFC national mandate to provide data on the soils of Canada

Provides background values and levels to assist with our Agri-environmental indicator development on water contamination and soil quality

Opportunity to link NASGLP sites (or combined AAFC sites) to AAFC named soil series or other taxonomic units to enhance the National Soils Database and link to this national geospatial and attribute database

Potential linkages to on-going AAFC source and ground water research i.e. the Watershed Evaluation of Beneficial Management Practices (BMP) – WEBS

Canada

Collaboration Benefits

What can AAFC contribute to the NASGLP?

Provide soil classification, standards and protocol development to NASGLP and other “value added” projects

Spatial extrapolation and validation of results using Soil Landscapes of Canada (SLC) and Ecological Framework for Canada geospatial analysis, delivery and mapping. Allows AAFC access to areas of Canada that may have limited or no data

Assist with interpretation and communication of results and project findings through geospatial (WEB) tools and interfaces.