

A person in a grey jacket and black pants is captured mid-air while mountain biking over a snowy mountain range. The sky is a clear, vibrant blue. The title text is overlaid on the left side of the image.

Buffers, Fires & Surveys

A Brief History of Human Footprint Monitoring

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January 30th, 2019

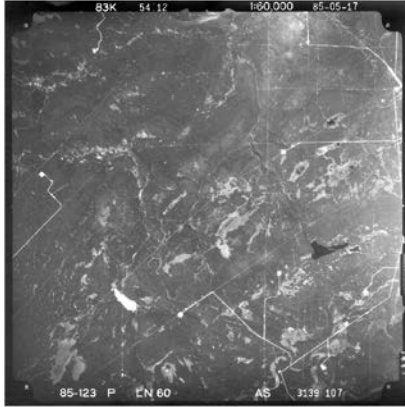
Alberta

Buffers



The Early Days of Digital Mapping

Provincial Digital Base Mapping Program



1:60,000 Air Photo



ABSM computer room mid 1980s.
50th Street Atria, Edmonton.

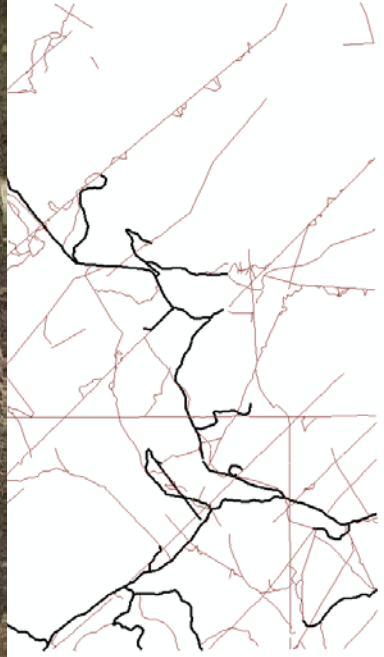
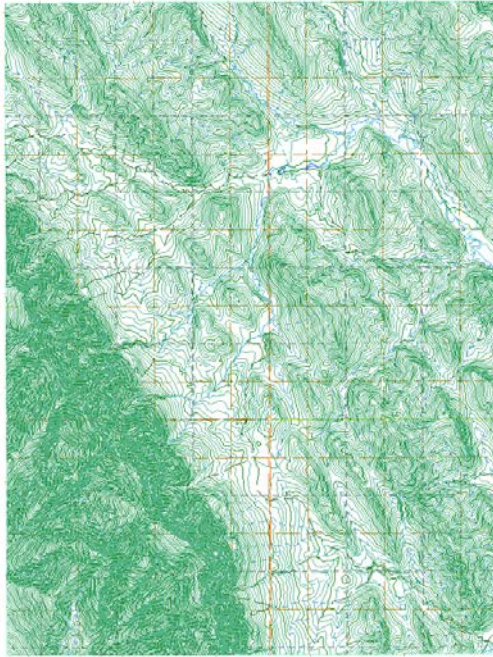


*Intergraph Stereo Plotter, Eric
Cormack Building, 1980s*



ABSM computer room mid 1980s. 50th Street Atria,
Edmonton. 9-track tapes in the background.

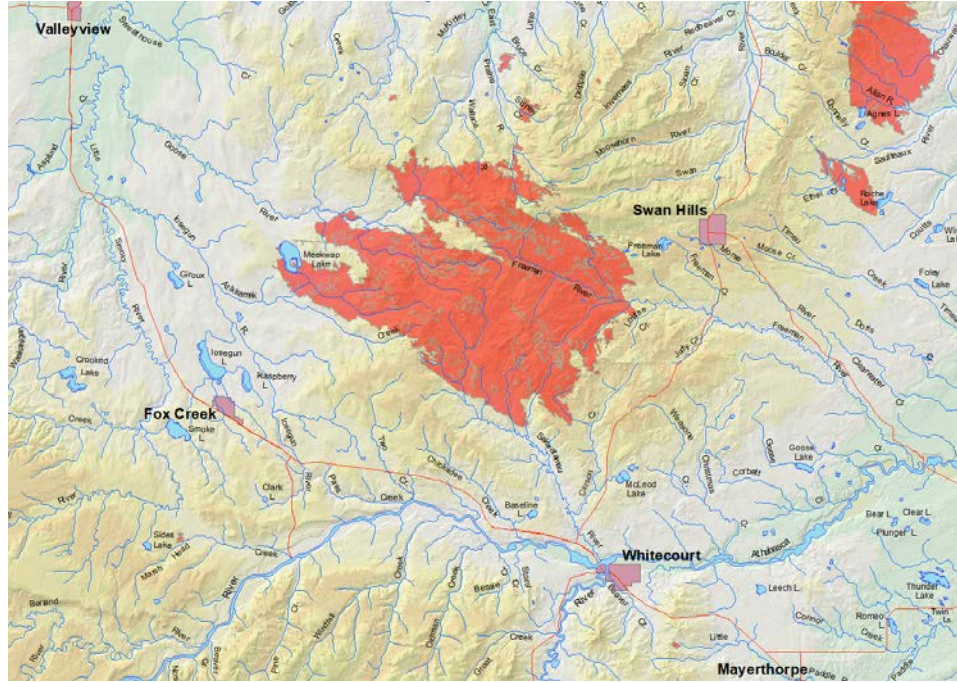
Provincial Digital Base Mapping Program



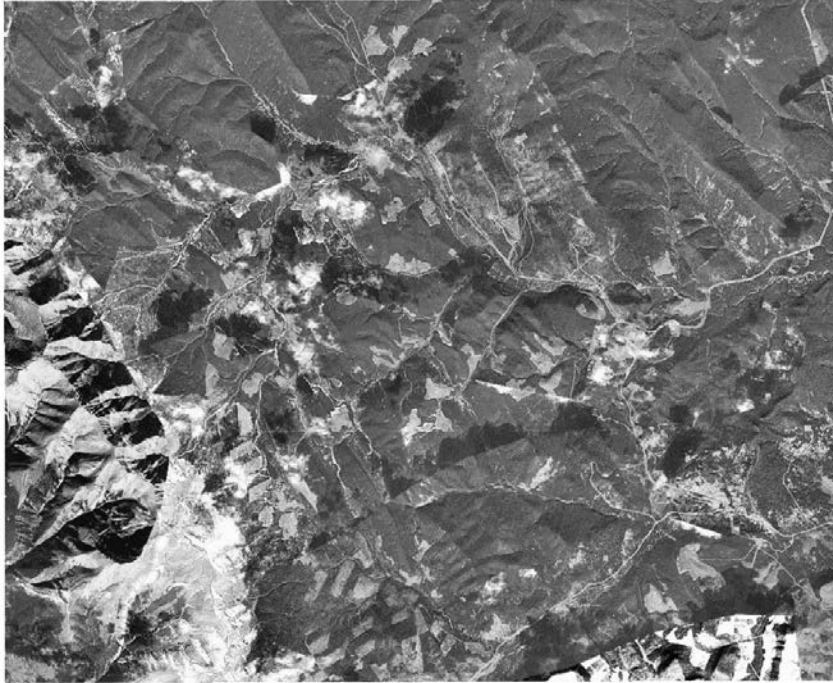
The Virginia Hills Fire

The Base Features Program

Virginia Hills Fire - 1998



The Base Features Program - 1998



IRS Imagery - 5 metres

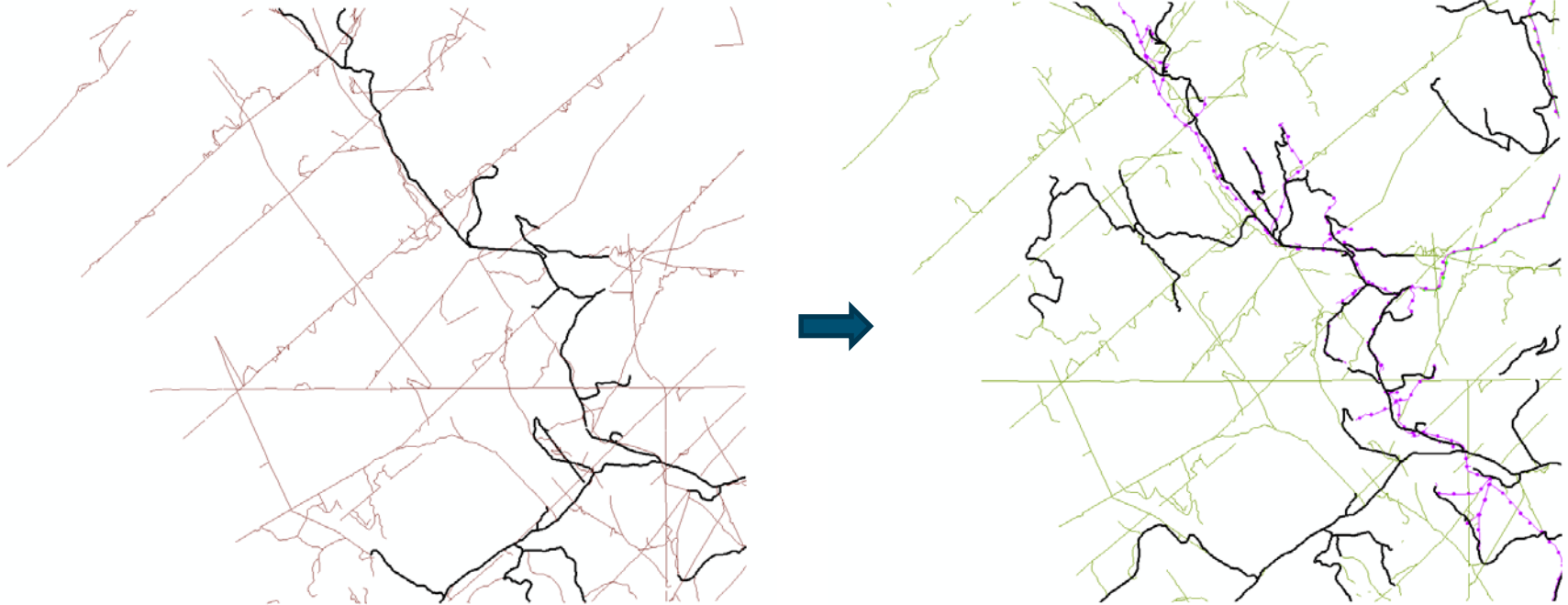
CAD



GIS

Supplemental Data

The Base Features Program - 1998



Today 22% of Roads and 28% of Cutline/Trail originate from PDBM



Surveys

Digital Integrated Dispositions
(DIDs)

Rural Cadastral

Digital Integrated Dispositions - 2005

- Feature
- Bound
- Footpr
- 2008



AHFMP



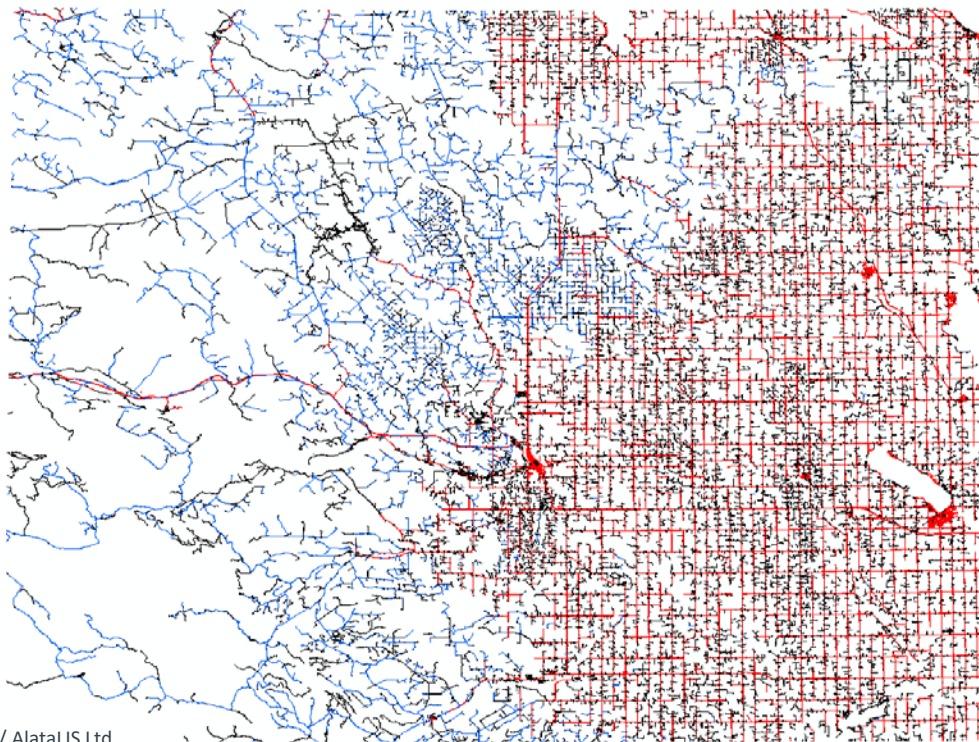
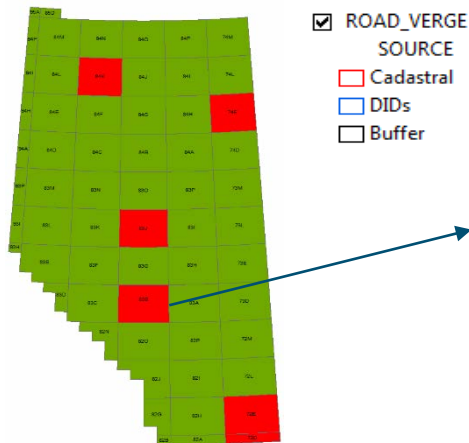
Collaboration

AHFMP - 2014

- Started by ABMI
 - Improve ABMI's Footprint data
 - Improve Spatial and Attribute Accuracy
- GOA - Provide access to better data and Subject Matter Experts
 - Wells, pipelines, roads, facilities, seismic.
- Collaborate on ideas
 - Includes NGOs

AHFMP

VERGE_SOURCE	PERCENT	ha
Cadastral	42	16,818.9
DIDs	18	7,199.5
Buffer	39	15,567.8



World Class Dataset

- Projects Using AHFMP
 - Biodiversity Management Framework (Regional Planning)
 - Moose Lake Access Management Plan
 - Porcupine/Livingstone
 - Recreational Opportunity Mapping (ROM)
 - Others

“Within these contours are represented the mountains, the lakes, the rivers, the hills, and the prairies out of which the roots of all Albertans grow. This is your heritage and your future. Guard it well.”



Questions?

