

*B&W Air Photo
(Source – NRCan)*



*Fox-main DEW Line
Site (Source –
Google Earth)*

RPIC Federal Contaminated Sites 2010 National Workshop

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Data and Information Management Tools to Address Brownfields Divestment and Redevelopment Challenges

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Presentation Outline

- Introduction
- Data Sources for Brownfields
- Tailored Decision Making Tools
- Guided Decision Making
- Conclusions

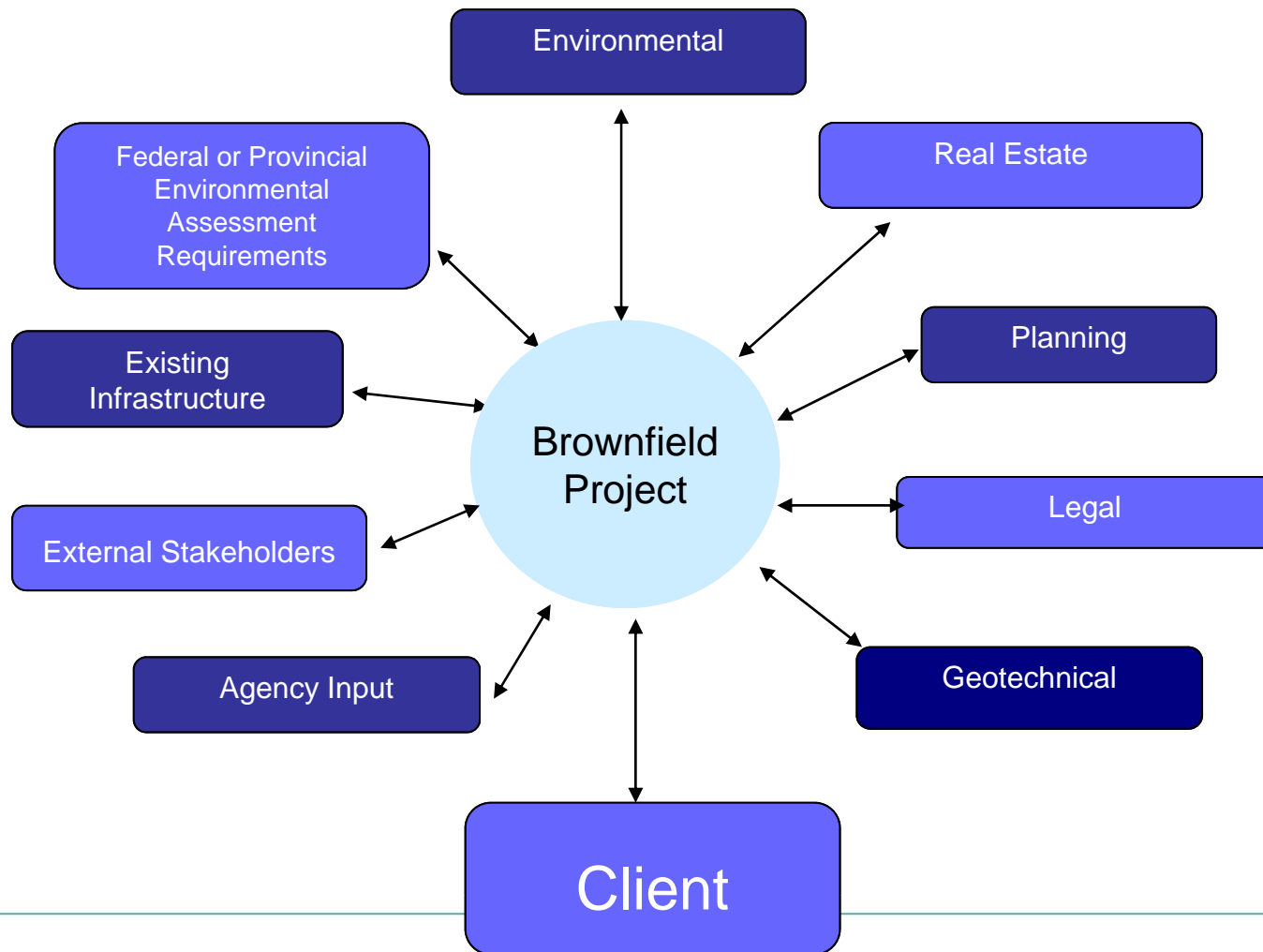


Introduction

- What is a Brownfield?
 - Abandoned, vacant, derelict or underutilized property where past actions have resulted in actual or perceived contamination and where there is an active potential for redevelopment
- How can better data management help with Brownfields?
 - More informed decisions on acquisition, divestiture, development and marketing
 - Identify potential development constraints and risks
 - Visualize all drivers for redevelopment



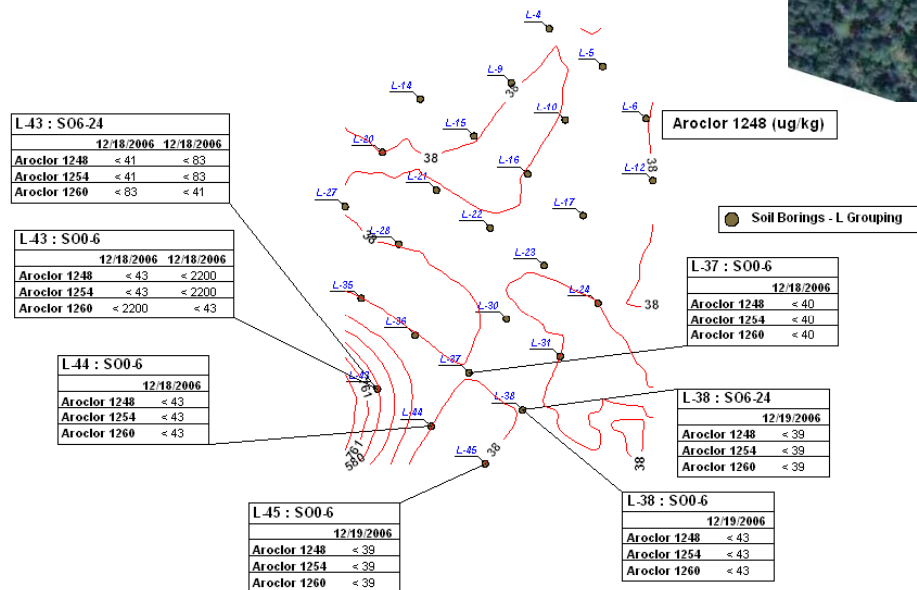
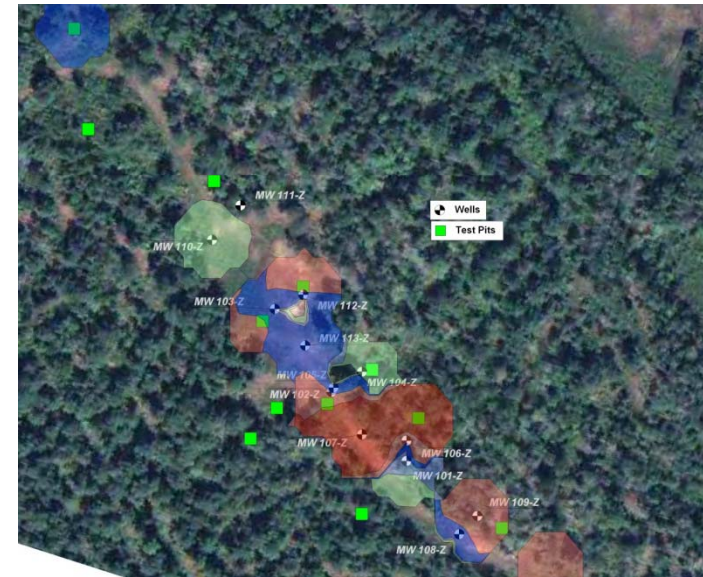
Data Sources for Brownfields





Environmental Data

- Standard Site Data (eg. Chemical data, spatial data, stratigraphy)
- Location and nature of APECs
- Level of Assessment Complete
- Receptors and areas of risk
- Remedial Estimates





Stakeholder Data

- Information on stakeholders that may influence a project
- Adjacent Property Ownership
- Community involvement
- Communications provided and received
- Public perception





Real Estate Data

- Mapping and considering Real Estate drivers such as property values, Community Improvement Plans, municipal policies, market trends and recent transaction can help prioritize properties





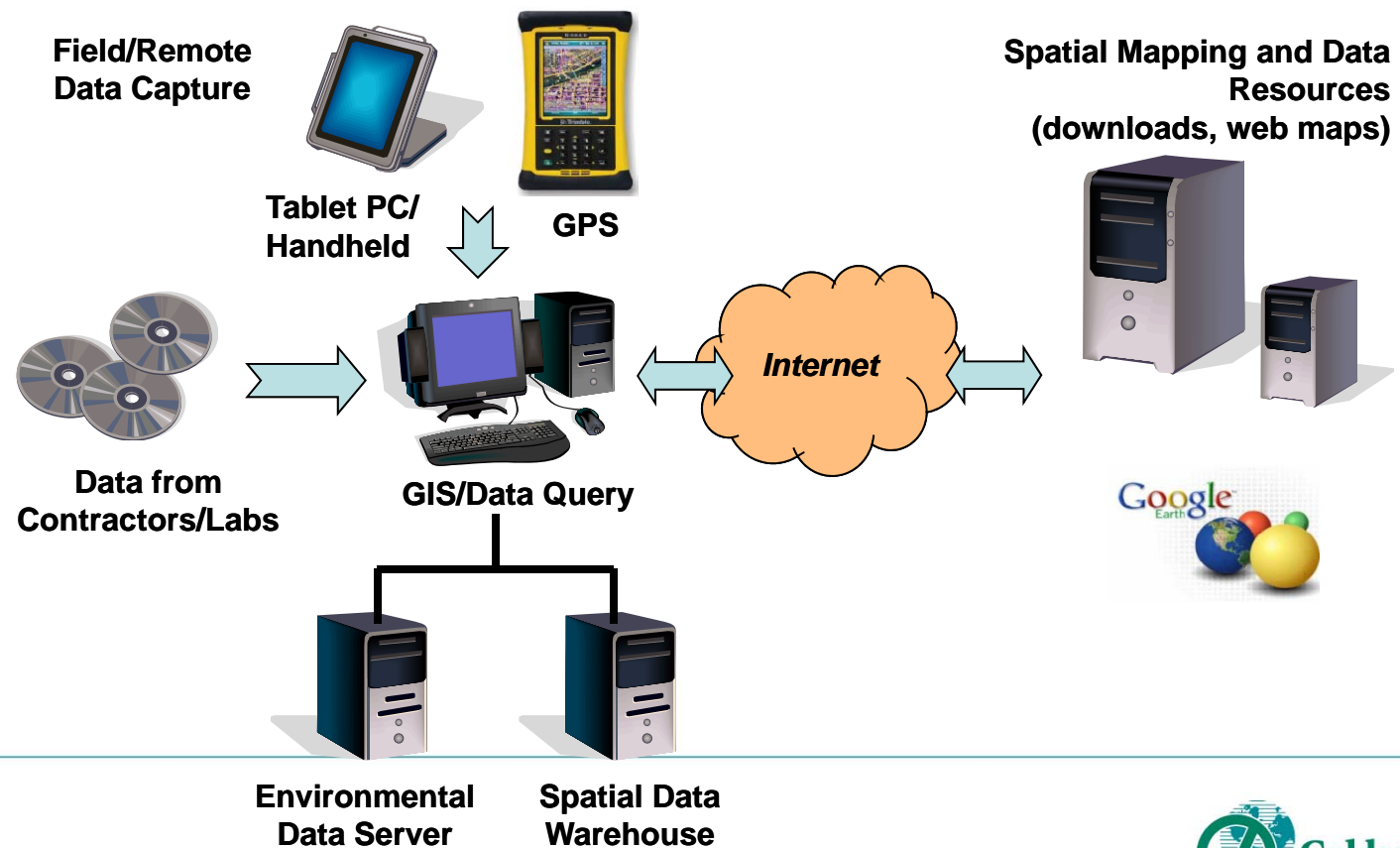
Managing Data

- All of the available data requires a technical solution to support effective decision making
- **Tools:**
 - GIS (and/or CAD)
 - Data management system
 - Field Data Collection
- Tools such as databases and GIS can manage and retrieve the multitude of data that can be collected for a Brownfield site
- Without these technologies effective data storage, retrieval and analysis is nearly impossible



Tailored Decision Making Tools

- Tailored GIS system can be designed for an individual Brownfield project or for a portfolio of potential Brownfield sites





Guided Decision Making

- Decisions for remediation, divestiture or purchase can be made easier with all data available for evaluation
- Efforts can be focused on properties with favourable characteristics (e.g. higher development potential, added value to the community)





Harvey Barracks IMS

Harvey Barracks - Information Management System - (IMS) - Installation/Run DVD

Harvey Barracks - Information Management System DVD Menu
DVD Application Installation / Run Menu

Please select an option:

Run IMS **RUN the Harvey Barracks Information Management System**
If you have already installed the application components, click here to go directly to the Harvey Barracks - (IMS) Main Menu to run the application. You must keep the DVD in your DVD-ROM drive to view this screen.

Install MS **INSTALL the Harvey Barracks Information Management Application**
If you have NOT installed the application components, click here to go directly to the Harvey Barracks - (IMS) Installation Menu. Full instructions for the installation are found on the "README.PDF" file in the installation menu screen.

Exit

Database System Requirements: Users must have Microsoft® Access® 97 or 2000 installed on your computer to use the database application. By installing this Application you also install the AEP support files necessary for viewing in Arc Explorer 2.0 (Also installed with system). We recommend using the above links to get Internet Explorer 6.0, and Adobe Acrobat Reader installed on your system to utilize this Information System.

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Index.pdf - Adobe Acrobat Professional

Information Management System (IMS)
Harvey Barracks

Navigation

- Main
- History
- Process
- Acronyms
- Terminology
- Site List
- Project Reports
- Completion Certificates
- General Ref Guide

Other Workplans
AB-3
SE-4
NC-4
FR-9
CCN-9

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file:///D:/WorkplanAreaCCN-2.htm - Adobe Acrobat Professional

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Workplan Area CCN-2

Mapping

- CCN-2 Map of CCN-2 Work Plan Area

Reports

- Task 1 Site Assessment for CCN-2 Boxes 871 & 872
- Task 1 Site Assessment for CCN-2 Workplan 6740 (825 826 848)
- Task 2 Workplan for CCN-2
- Task 3 Workplan for CCN-2
- Task 4 Report for CCN-2
- Task 6 Workplan for CCN-2
- Task 7 Report for CCN-2

Harvey Barracks 940 Database

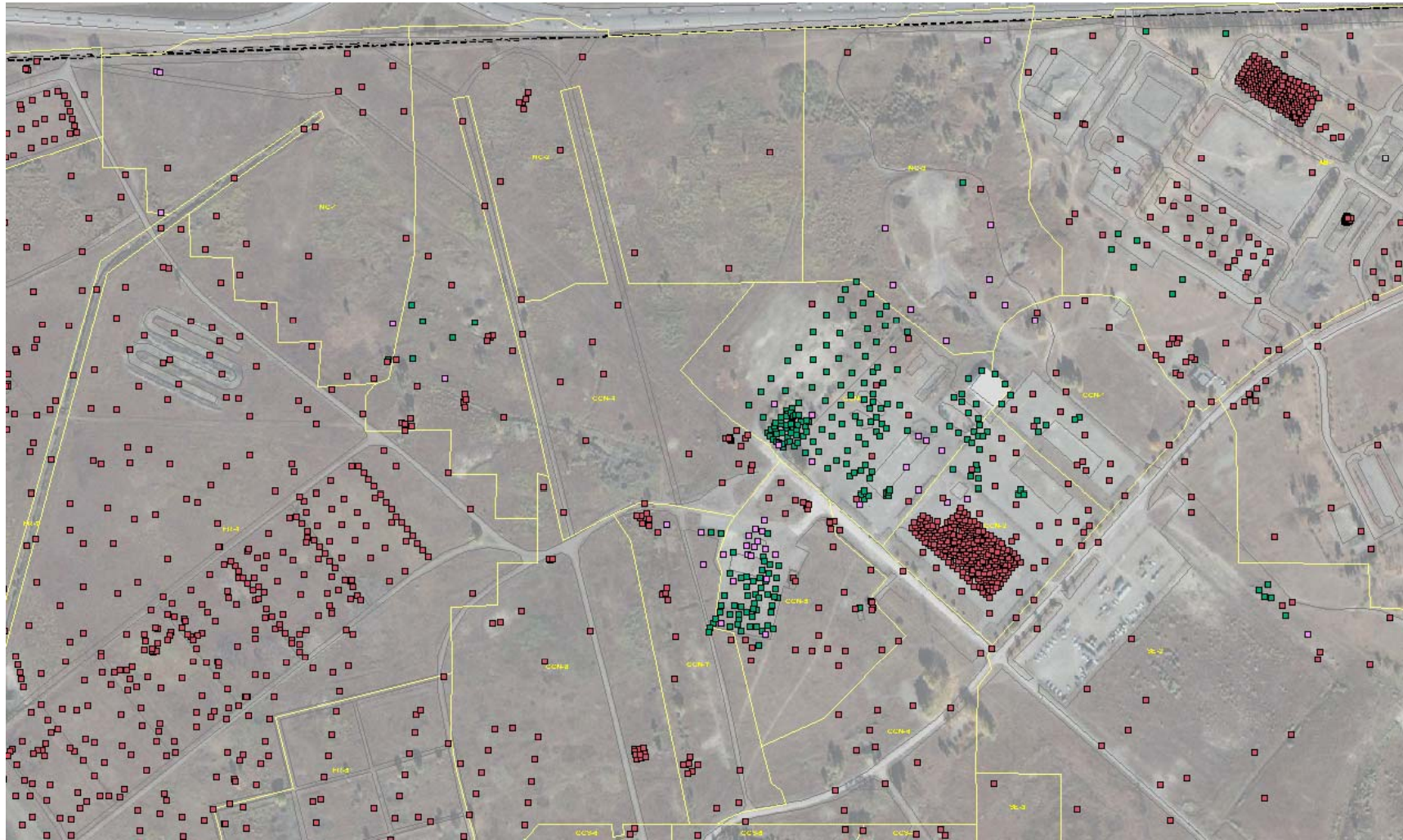
- Access 97 Version - (Main DVD Menu) Sites Sampling & Results analysis database application
- Access 2000 Version - (Main DVD Menu) Sites Sampling & Results analysis database application

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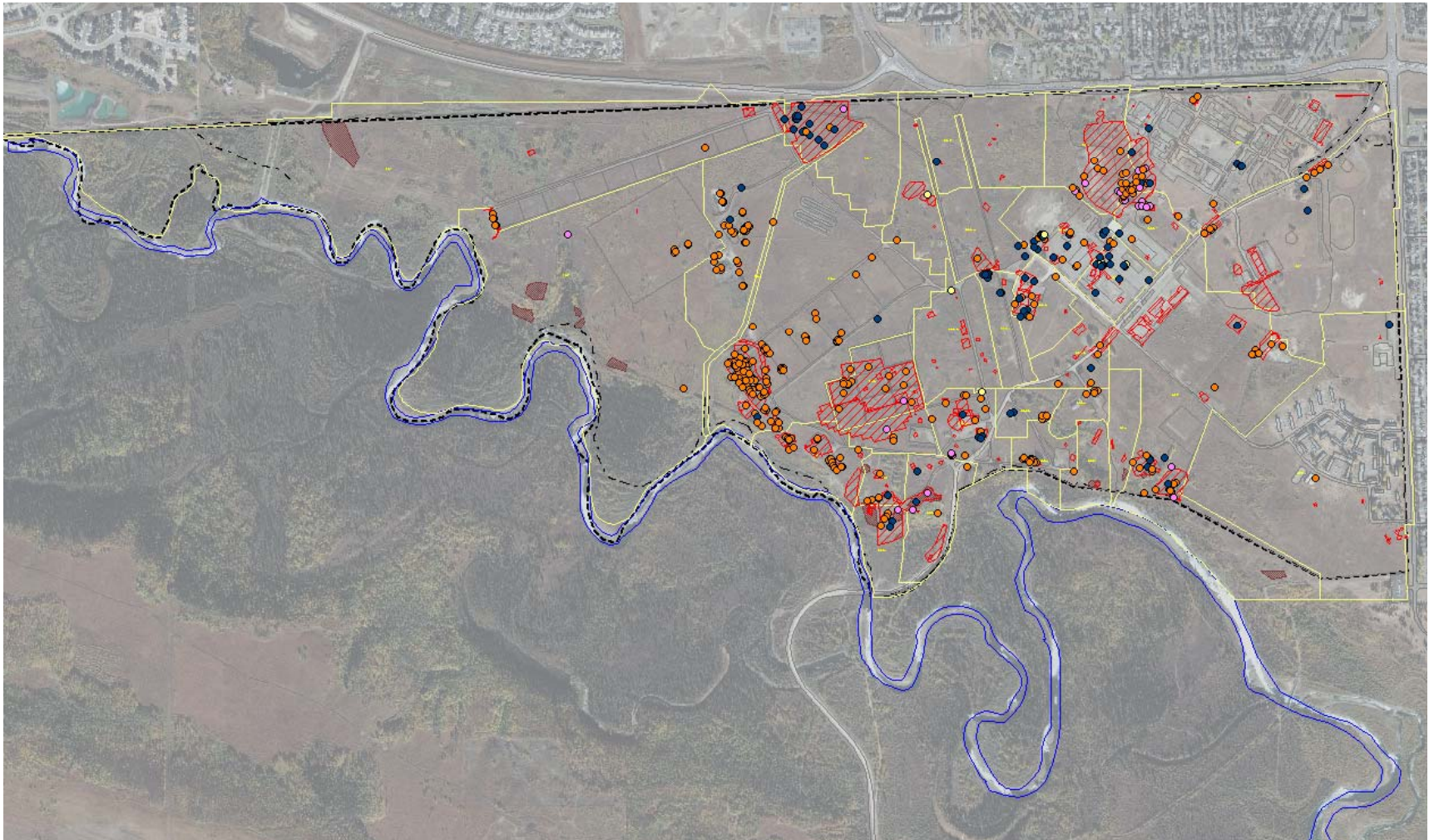


Samples Locations and Types





Contamination, Remediation and Archaeology





Conclusions

- There are many sources of relevant information for a Brownfield Redevelopment
- Information management systems improve the effective data storage, retrieval and analysis
- More informed decisions on acquisition, divestiture, development and marketing can be made