



# MRF GIS Solutions

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# MRF Field GIS



- Consists of a field computer and MRF GIS Application
  - Field computer (Algiz 7)
    - Rugged Design
    - Windows 7
  - MRF GIS Application
    - Designed for field work
    - Easy to use
    - Web-GIS User Interface



# MRF Field GIS



## Weed inspection

- Display basic map layers (i.e. parcels and roads)
- Capture a weed polygon with the built-in GPS
- Take pictures of the weeds
- Record the weed, growth status, habitat, from a pre-defined pick lists
- Easily create a weed inspection report in pdf

Current customers:

Saddle Hills county  
MD of Smoky River

Municipal District of Clear Hills No. 21  
2011-01-01, Highway, Alberta T0P 1K0 Phone: (780) 853-3425

WEED INSPECTION REPORT

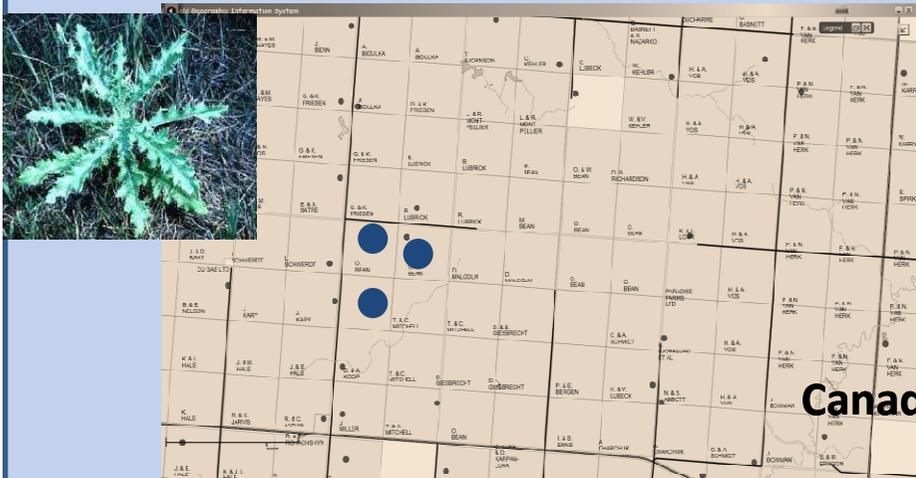
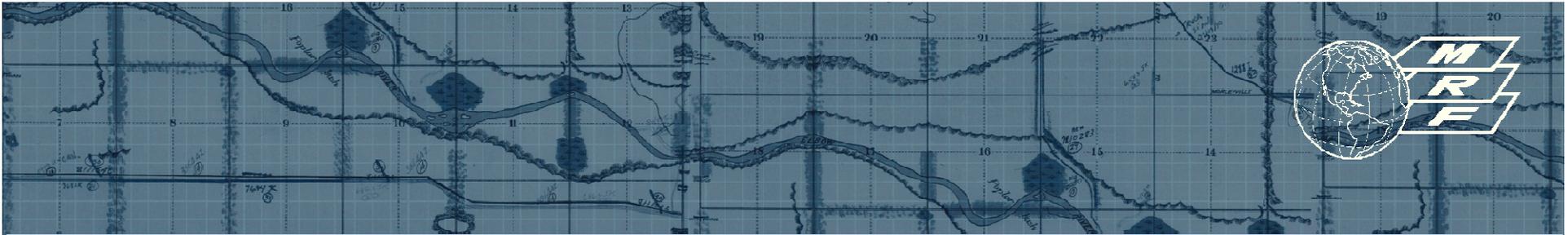
Legal Description of Quarter: 20-11-07-04 Yes  No  Date Quarter Inspected: November 24, 2010  
Has the Quarter been cultivated? Yes  No  Has the Outcrop been cultivated? Yes  No   
Time of entry to property: 08:00 A.M.  9:00 A.M.  Time out of property: 05:00 A.M.  9:00 A.M.

Owner's Name (or Agent) Last Name: \_\_\_\_\_  
Address: R1# \_\_\_\_\_  
City: \_\_\_\_\_ Province: \_\_\_\_\_  
Municipality: \_\_\_\_\_  
Weed Classification: Prohibited  Noxious

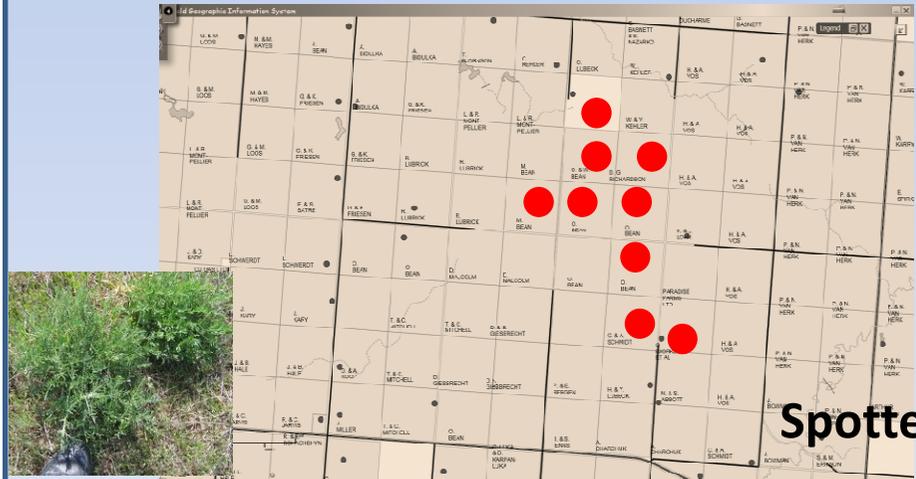
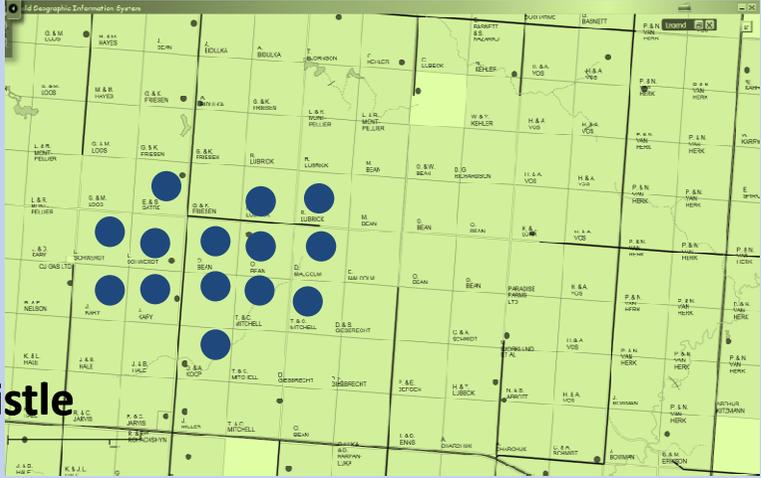
Weed Type: \_\_\_\_\_  
Habitat: \_\_\_\_\_  
Growth Status: \_\_\_\_\_  
Abundance: \_\_\_\_\_

The Inspectors intend to: Spray, Pull  
Comments: \_\_\_\_\_

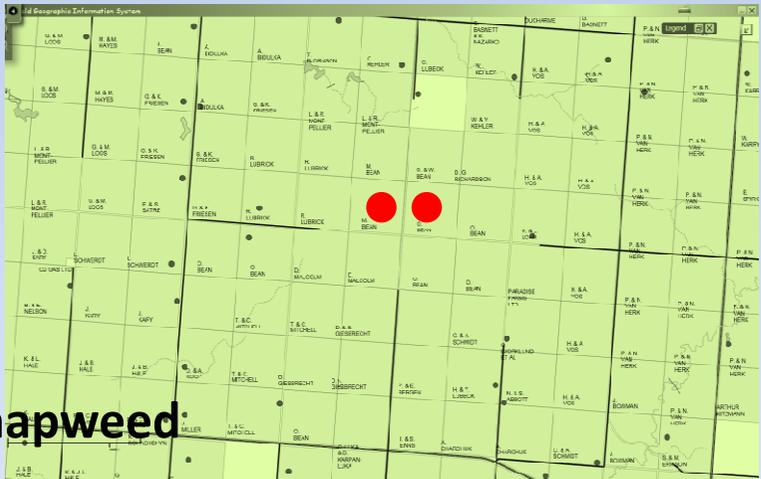
Location of Weed:   
Photo 1:   
Date Photo Taken: 2009-10-16 10:10:00 Location: 00-11-07-04



Canada Thistle



Spotted Knapweed



2011

2012

# MRF Web-based GIS Products



Geographic Information System  
Westlock COUNTY

Legend

- Base Features
  - Municipal Boundary
  - Lakes
- Images
  - 2004 Aerial Photo
  - 2011 Aerial Photo
- Westlock
  - ATS
  - Land Use
  - Lots
  - Dispositions
  - Confined Feeding Operations
  - Parcel

30 km  
25 mi

# Westlock County

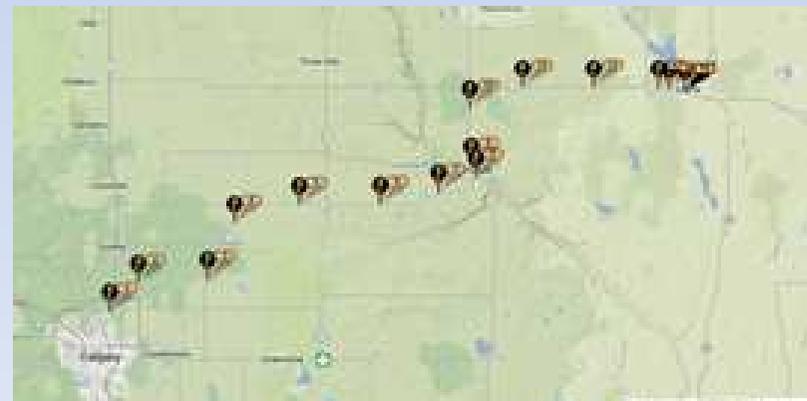


- Major GIS capabilities:
  - Search by Roll Number, LINC, Address, Owner's Name, etc.
  - View orthophoto, taxation, assessment and planning information
  - Measurement (distance and area)
  - Redlining (points, lines, polygons, labels)
  - Printing maps to PDF
- Supports **Image/SVG/Silverlight/HTML5**

# MRF AVL Solution



- Track the locations of your vehicles
- Integrate with your Web-based GIS
  - Track each vehicle at 30 seconds interval
  - Use MRF's HTML5 Map Server for the master AVL web site
  - \$55/month per vehicle
    - 1 GB/month data plan
    - Hardware included



# MRF Work Alone Safety Solution



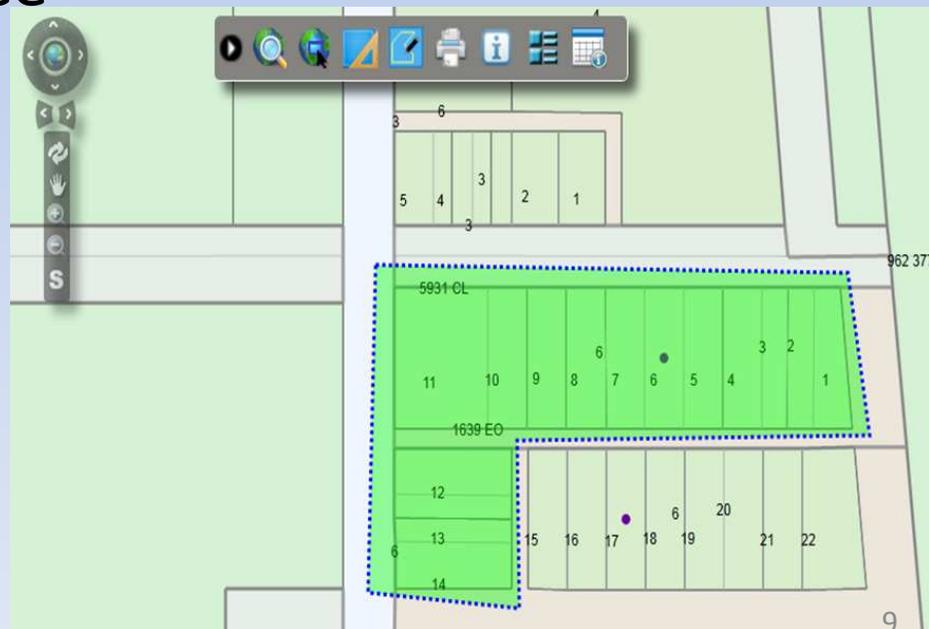
- With the SPOT Satellite GPS Messenger, the MRF solution can support your work alone safety procedures
  - The supervisor can view all the employees' locations on a map
  - The supervisor can dispatch the nearest employee or resident to respond to an emergency
  - \$150 hardware one time fee
  - \$150 per year for tracking services
  - This solution can also be used by farmers



# Emergency Notification Solution



- Integrate an autodialing system into GIS
- Simply drawing a polygon on the map and the system will send mass notification through
  - Short Message Service
  - Voice Call
  - **5000 calls/min**
  - **9 cents per call**



# MRF Customers

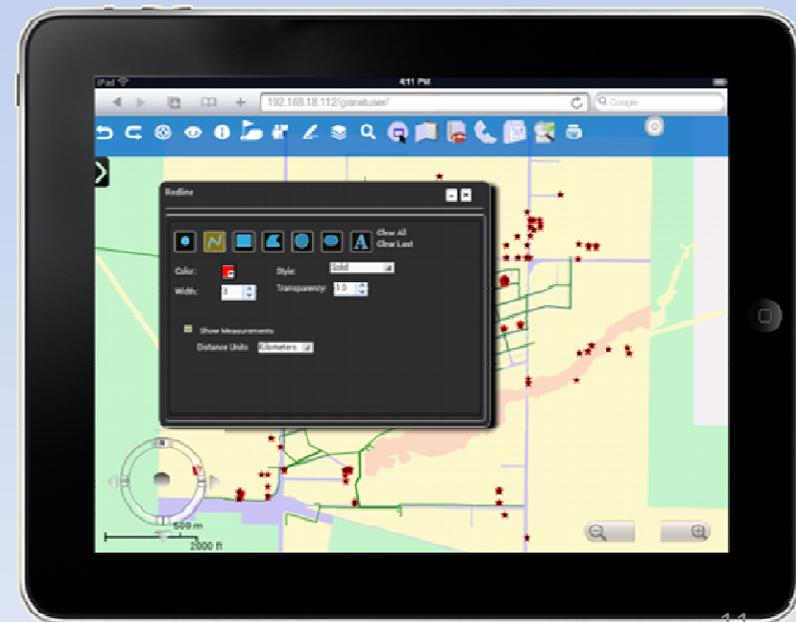


- Some of our customers
  - Los Angeles County, CA, USA
  - Orange County, CA, USA
  - San Diego County, CA, USA
  - City of Calgary, AB, Canada
  - AltaLink, AB, Canada
  - Palliser Regional Municipal Services, AB, Canada
  - Parkland County, AB, Canada
  - Westlock County, AB, Canada
  - ...

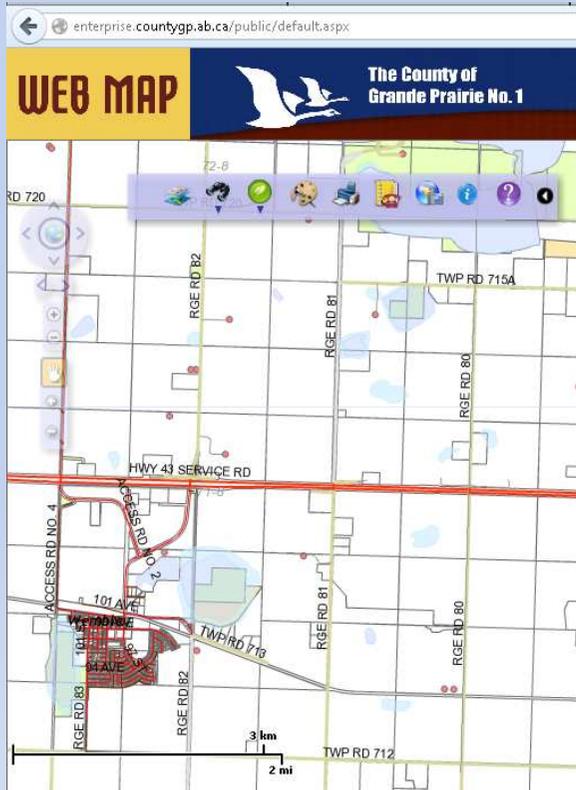
# MRF GIS Products and Services



- Products
  - MRF **HTML5** Map Server Serves 2D vector maps to Internet Explorer, iPhone/iPad, and Android phones
- Services
  - GIS Consulting Services
  - Spatial Data Services



# County of Grande Prairie



Owners Tax Information Assessment Reports Real

▼ Assessor Reports

Summary

Market land details

Improvement details

Industrial details

▶ 2009

▶ 2008

Centralized GIS Data Management

- Multilayer
- Business Report Viewer (Tax report, Assessment report, ...)

# Palliser Regional Municipal Services



184.70.195.130:81/gisnetuser/view.aspx

Web GIS Portal — Starland

The screenshot displays a web-based GIS application. The main map area shows a grid of yellow lines overlaid on aerial imagery. A legend window is open on the right side, listing various map layers. The legend includes:

- errorReport
- Infrastructure
  - Road centerline
  - Gas Lines
- Base layer
  - Road
  - Stream
  - Town/village Boundary
  - River
  - Lake
  - Land Use
  - County Boundary
  - Alberta Township Grid (ATS)
- Aerial Photos
  - Ecw Image

A scale bar at the bottom left indicates 2 miles and 5 km. The interface includes navigation controls on the left and a toolbar at the top.

# Palliser Regional Municipal Services



- Support all basic map functions
- Support Internet Explorer, iPhone/iPad, and Android phones
- Tourism Map (golf courses, trails, museums)
- Infrastructure Map

# Collaboration



- MRF is looking for partners in India:
  - Resell MRF GIS Products
  - Team for GIS Projects
  - Jointly Develop New GIS Solutions