

INNOVATIVE STAKEHOLDER WIN-WIN

Contaminated Properties Conference
Halifax, NS October 21, 2003



A member of the



Family of Companies

Introduction

Approach
Timing
Communication



A member of the



Family of Companies

Introduction

Responsible Party: Forest Protection Limited

Site Location: Charlo, NB

Site Activity: Airstrip for Aerial Pesticide Spraying

Contaminant of Concern: DDT

Spray Activity: 1953 – 1958

Adjacent Land Use: Residential

Remedial Period: October 2001–September 2003

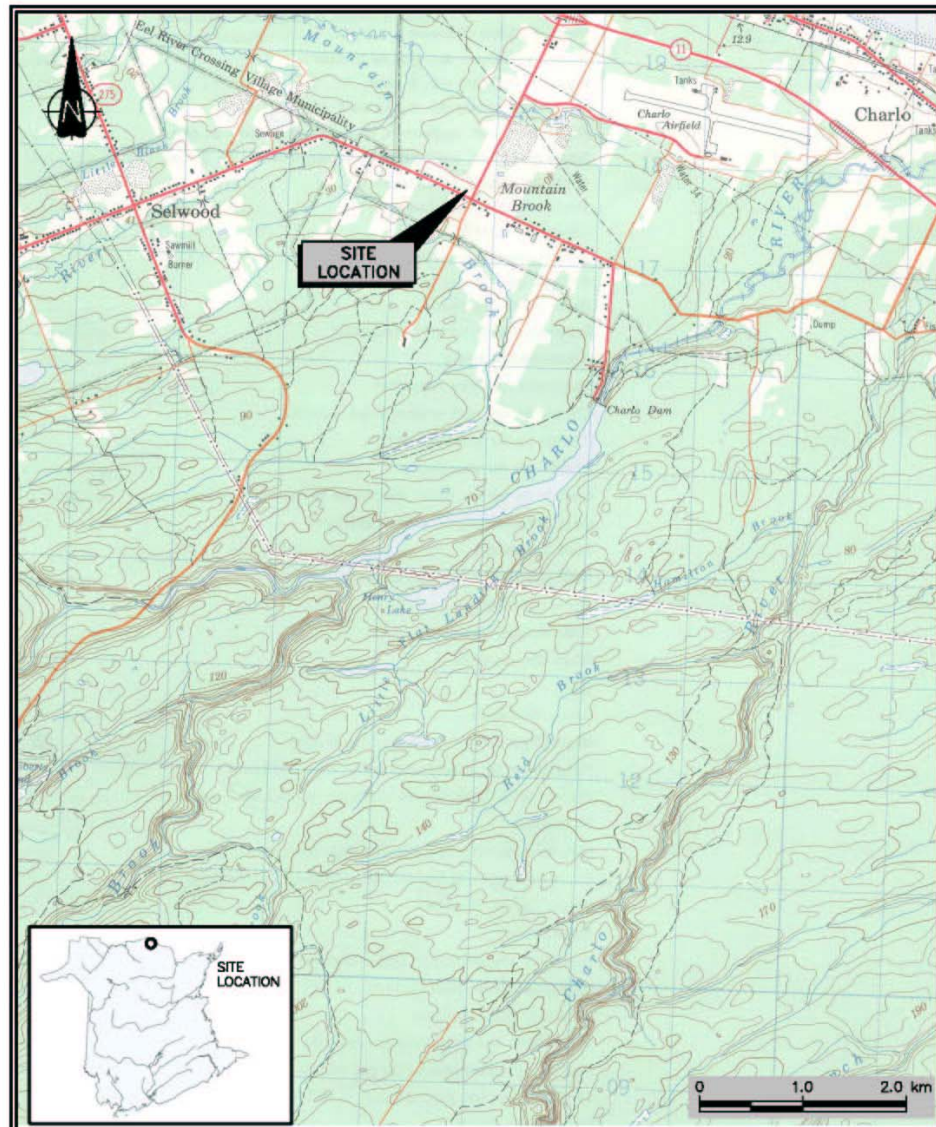



A member of the



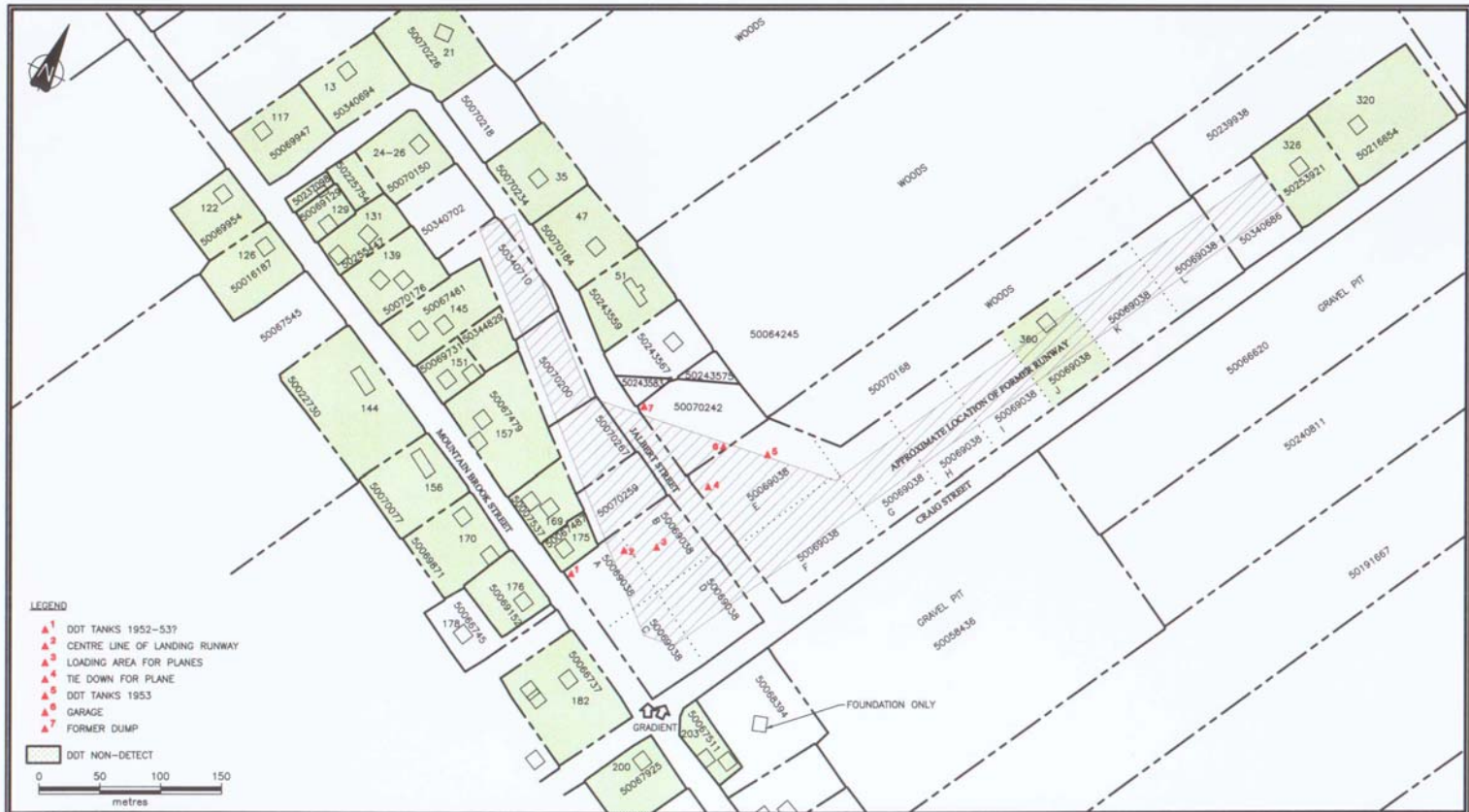
Family of Companies

Setting



 <p>A member of the Family of Companies</p>	TITLE	SITE LOCATION	DATE	July 2002	PROJECT NO.	10320B
	PROJECT	PHASE II ESA FORMER FPL AIRSTRIP CHARLO, NB.	SCALE	As Noted	FIGURE NO.	1
			DRAWN	GBS		

Setting



LEGEND

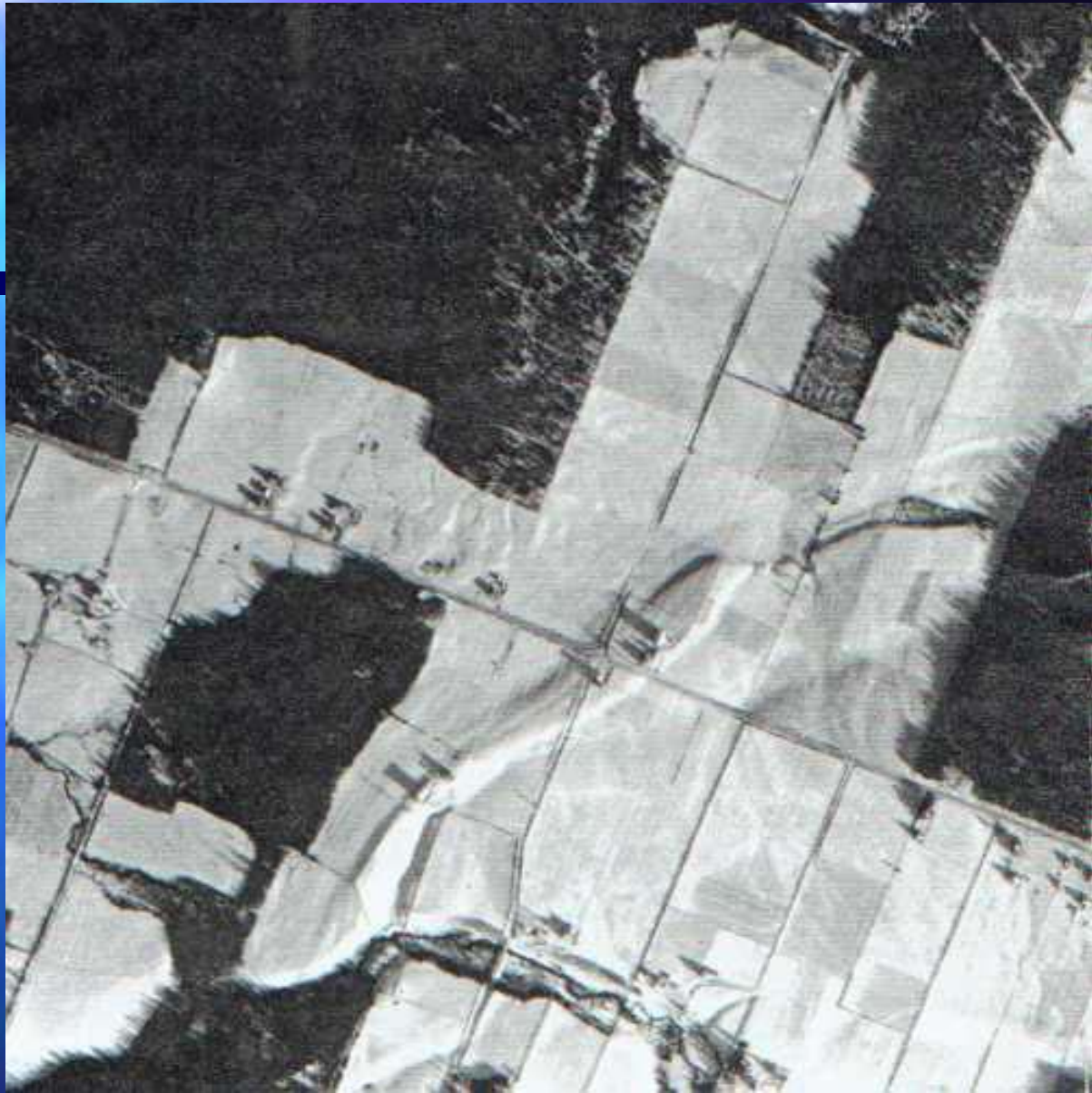
- ▲ DOT TANKS 1952-537
- ▲ CENTRE LINE OF LANDING RUNWAY
- ▲ LOADING AREA FOR PLANES
- ▲ TIE DOWN FOR PLANE
- ▲ DOT TANKS 1953
- ▲ GARAGE
- ▲ FORMER DUMP
- DOT NON-DETECT

0 50 100 150 metres



TITLE SITE PLAN		DATE Dec. 2001	PROJECT NO. 10320A
PROJECT WELL WATER TEST RESULTS (TOTAL DDT) FORMER FPL AIRSTRIP CHARLO, NB.		SCALE As Noted	FIGURE NO. W-1
		DRAWN GBS	

Setting

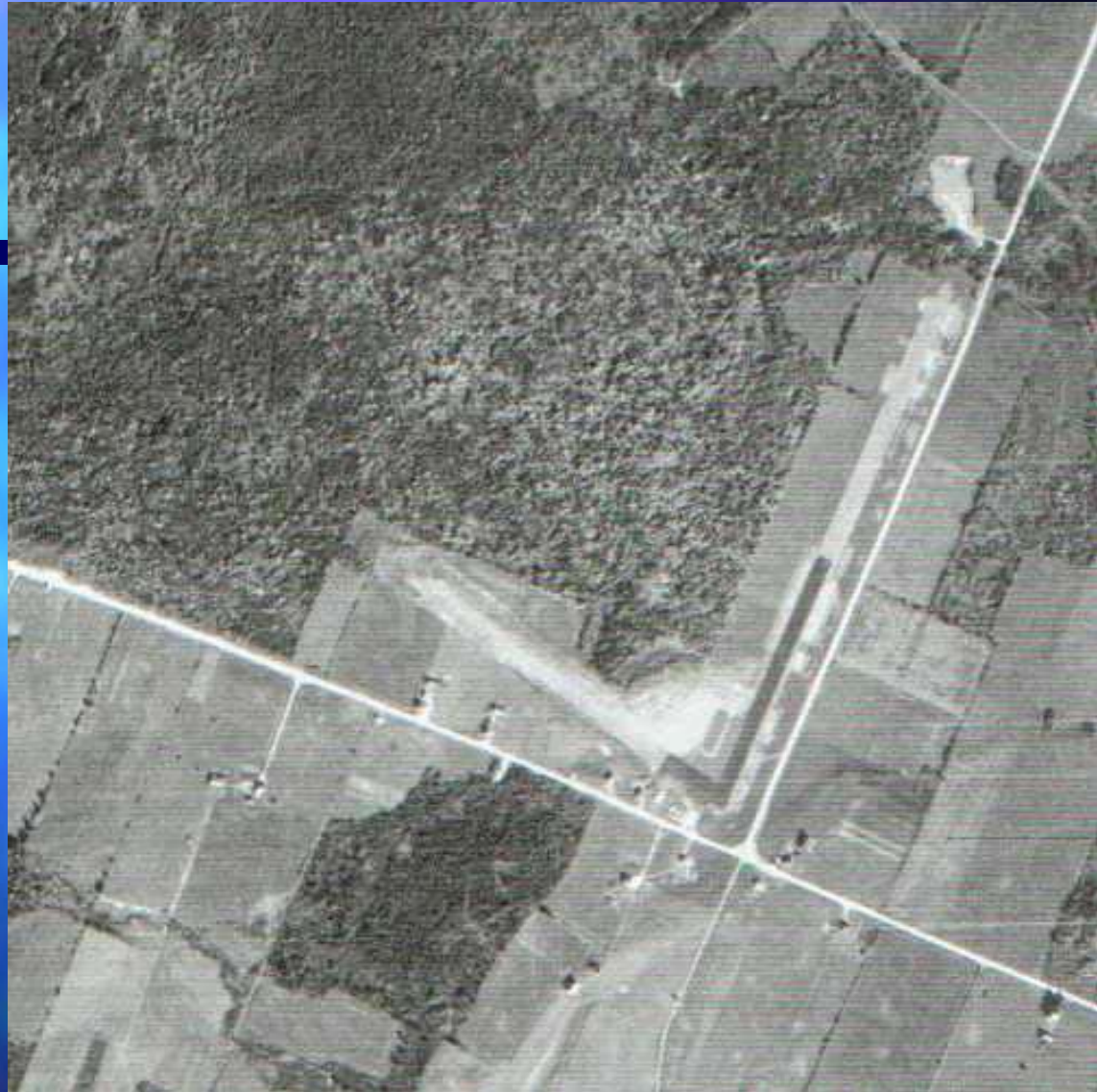


Mountain Brook Area 1944

Setting

Airstrip
Construction
1953

Sold in late
1970's



Mountain Brook Area 1955

Project Stages

- 1. Initial Planning**
- 2. Immediate Assessment**
- 3. Delineation Assessment**
- 4. Risk Assessment**
- 5. Remedial Action Plan**
- 6. Remedial Action Implementation**
- 7. Site Enhancement**



A member of the



Family of Companies

FPL

NBDELG

NB Health

Stakeholders – October 19, 2001

Initial Planning Stage

Initial Planning

- 1. Design a residential potable water and soil sampling program for DDT**
- 2. Prepare Resident Fact Sheet**



A member of the



Family of Companies

FPL

NBDELG

Media

NB Health

Residents

**Village of
Charlo**

Stakeholders – October 24 – December 12, 2001

Immediate Assessment Stage

Immediate Assessment

- 1. Enlist the cooperation of the Village of Charlo Council**
- 2. Collect potable water and soil samples**
- 3. Report results to Council and residents**

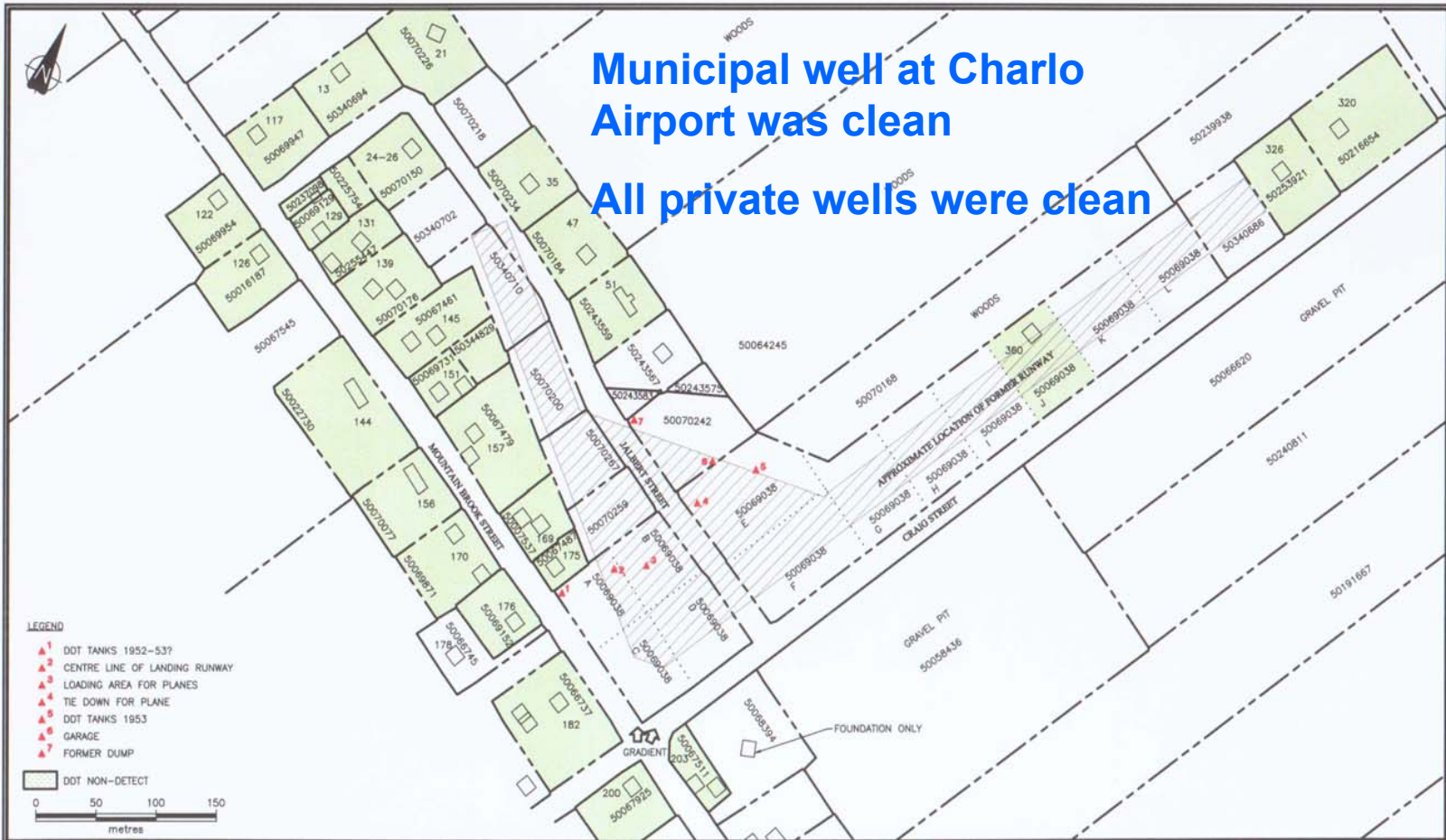



A member of the



Family of Companies

Immediate Assessment Area



 MGI Consultants in Environmental & Earth Sciences	TITLE	DATE	PROJECT NO.
	SITE PLAN	Dec. 2001	10320A
	PROJECT	SCALE	FIGURE NO.
WELL WATER TEST RESULTS (TOTAL DDT) FORMER FPL AIRSTRIP CHARLO, NB.	As Noted	W-1	
	DRAWN	GBS	

FPL

NBDELG

Landowners

Media

NB Health

Residents

**Village of
Charlo**

Stakeholders

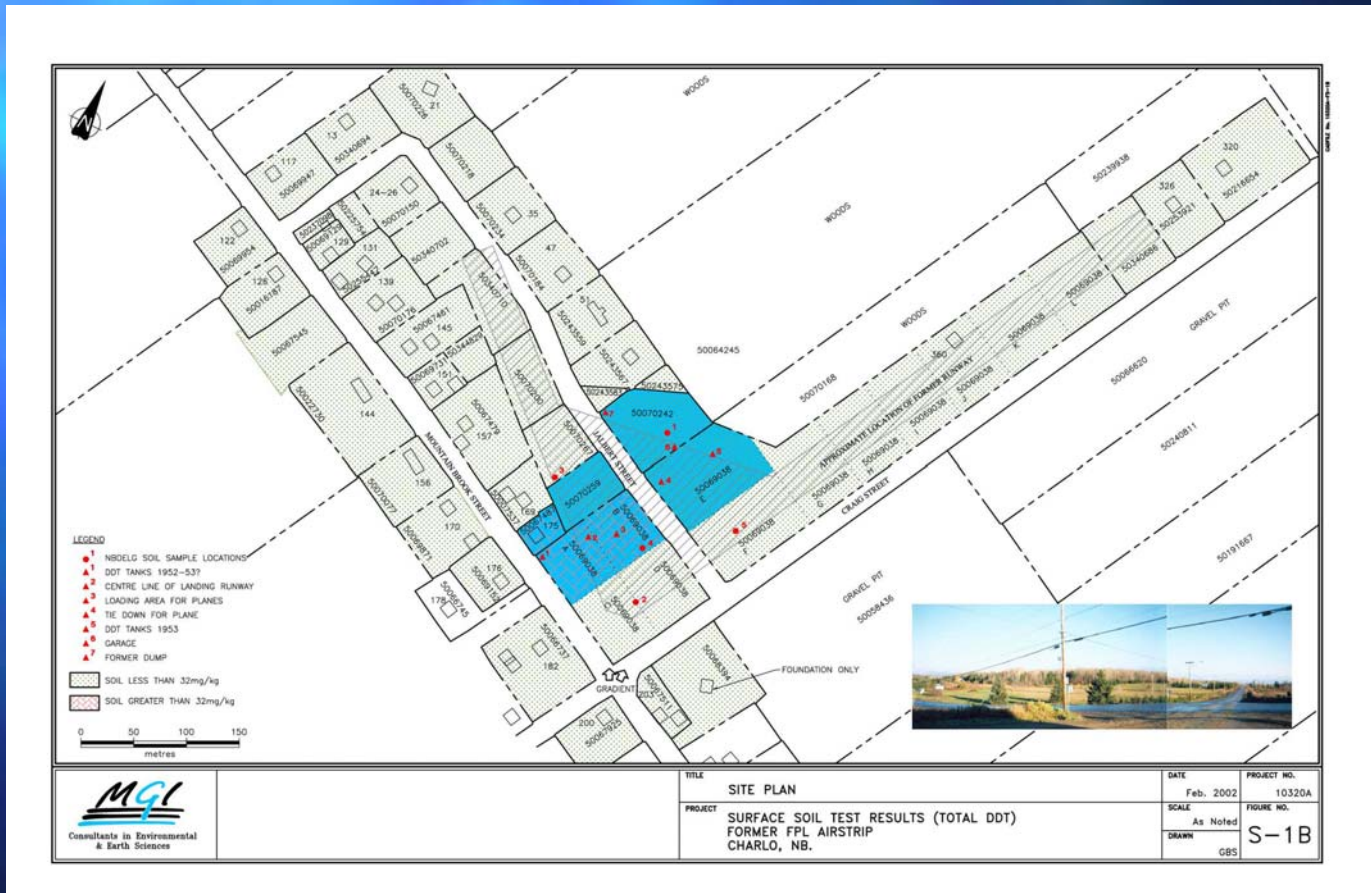
Delineation Assessment Stage

Delineation Assessment

- 1. Electromagnetic survey to locate old lines/tanks**
- 2. Monitor wells, boreholes and test pits installed in > CCME areas**
- 3. Assess old dump area**



Delineation Assessment Area

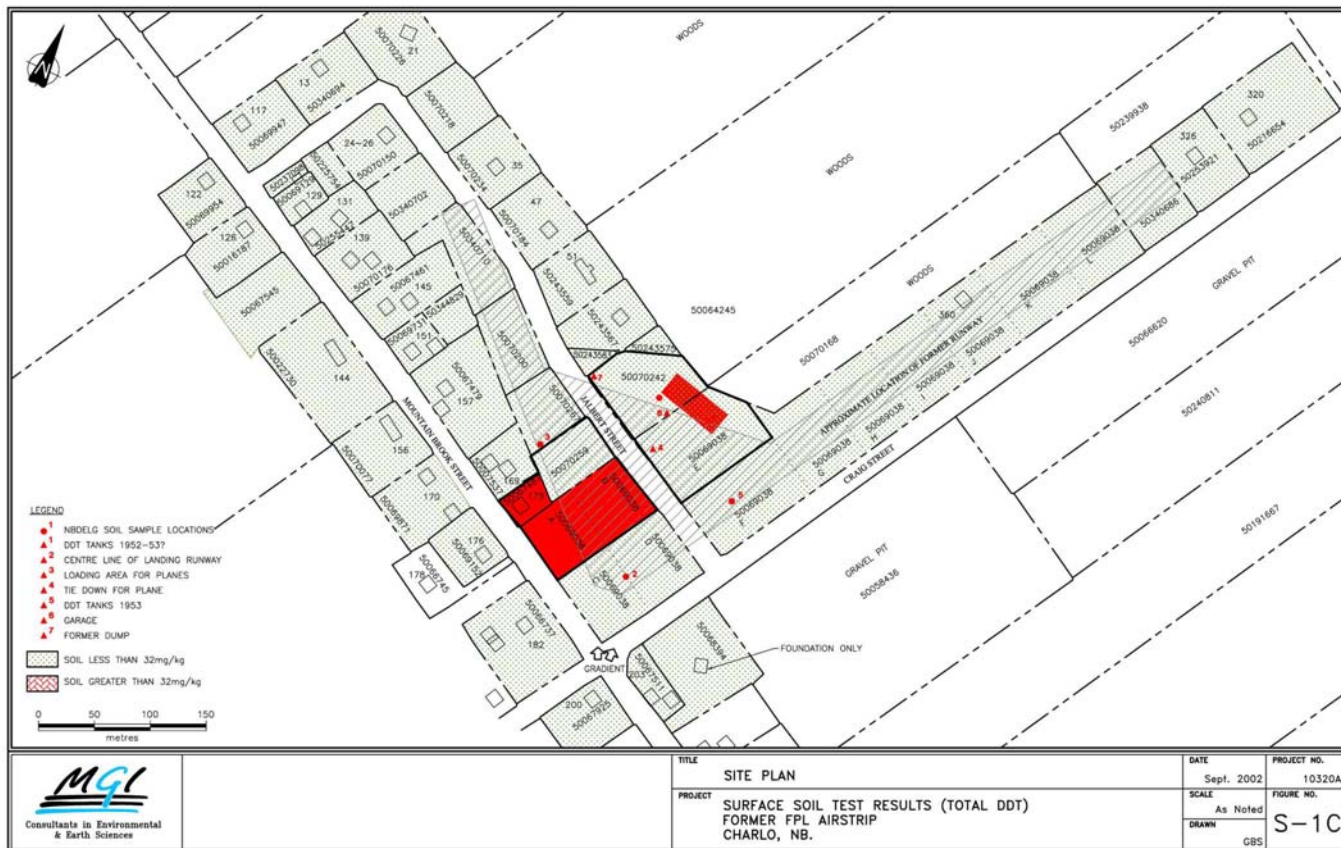


Shaded area exceeded CCME generic DDT soil criteria

Risk Assessment Stage

- 1. Potable water pathway eliminated by lab**
- 2. Soil contact pathway was assessed with Atlantic RBCA Version 1**
- 3. Carcinogenic receptor – residential adult,
Non-carcinogenic receptor – residential toddler**
- 4. Level of risk 1 in 100,000**
- 5. Soil human health SSTL = 32 mg/kg**
- 6. Ecological risk SSTL confirmed > 32 mg/kg**

Unacceptable Risk Areas



Remedial Action Plan Stage

1. Purchase shaded lands
2. Demolish 175 Mountain Brook House
3. Cover soils >32 mg/kg
4. Clean out old dump
5. Create parkland



A member of the



Family of Companies

Remedial Action Plan Approval

- 1. Client – 6 Pulp Companies & NB Natural Resources**
- 2. Government – Environment & Health**
- 3. Village of Charlo**
- 4. Residents of Mountain Brook Sub-Division**



A member of the



Family of Companies

Remedial Action Implementation

- 1. Form Resident's Park Planning Committee
– January 2003**
- 2. Purchase land required (FPL) - 2003**
- 3. Demolish purchased home –Dec 2002**
- 4. Place soil cover – June 2003**



A member of the



Family of Companies

Site Enhancement Stage

- 1. Village acted as contractor for park construction based on Resident's Committee Plan**
- 2. FPL paid the Village for perpetual care (Non-DDT)**
- 3. Official Park Opening October 2003**



A member of the



Family of Companies

Site Enhancement Stage




Commendation Letters

08/28/2003 08:15 95866847855 BROTHER PAGE 02

Ministère
Environnement et
Local Government

Ministère
Environnement et
Gouvernements locaux

New
Nouveau  Brunswick

August 14, 2003

Mayor Jacques Allard
Village of Charlo
614, rue Chaleur
Charlo, NB
E8E 2G6

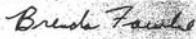
Your Worship:

I am writing to convey my appreciation for the work you and your staff have put toward solving the DDT contamination issue within the Jalbert Subdivision, in the Village of Charlo.

I am pleased to see the degree to which staff of government departments, Forest Protection Limited (FPL), the municipality and its citizens could work cooperatively to resolve the issues with the former FPL airstrip.

The clean up and redevelopment has resulted in the development of a new municipal park and the elimination of any potential negative impact on human health. My staff has reviewed the closure documents submitted on behalf of FPL and I am advised the file may now be closed. You will receive a signed copy of the Letter of Acknowledgement, which officially concludes the remediation management process in the very near future.


Please convey my sincere thank you to your staff and citizens for their cooperation throughout this initiative.

Sincerely,

Brenda Fowlie
Minister

Tel./Téléphone
(506) 453-2558
Fax/Télécopieur
(506) 453-3577

P.O. Box 6000
Fredericton
New Brunswick
Canada E3B 5H1

Cas postale 6000
Fredericton
Nouveau-Brunswick
Canada E3B 5H1




VILLAGE de / of CHARLO

614 rue Chaleur St.
CHARLO, NB E8E 2G6

Tel.: (506) 684-7850
Télécopieur/Fax: (506) 684-7855

September 19th, 2003

 Fredericton
SEP 24 2003
RECEIVED

Mr. Robert Turner
Project Manager
MGI Limited
466 Hodgson Road
Fredericton, NB
E3C 2G5

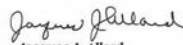
Dear Mr. Turner:

I take this opportunity to thank you for your cooperation and dedication with the clean-up of the DDT contaminated site within the Jalbert Subdivision in the Village of Charlo. This site, which could have become an unsightly wasteland, is now a beautiful site with amenities that can be enjoyed by everyone.

I wish to invite you to the official inauguration of the site which will be name:

**JARDIN MOUNTAIN BROOK GARDEN
JALBERT/McINTYRE**

The official inauguration ceremony will be held at 3:00 p.m. on Sunday, October 19th, 2003. Confirmation of your presence would certainly be appreciated.

Sincerely yours,

Jacques J. Allard
Mayor

JJA/jmcl

Success Factors

- 1. Rapid residential property assessment and communication of results**
- 2. Pro-active project schedule – no lag time**
- 3. Regular Stakeholder communication**
- 4. Client open to new approaches**
- 5. Resident's Acceptance of Risk Assessment rewarded by neighbourhood park**

The End



A member of the



Family of Companies