

Aboriginal Involvement Program Referral Process Overview



Presented by Debbie Mucha, October 14, 2009

Aboriginal Involvement Program

Referral process: is a process in which the main goal is to prevent disturbance to Aboriginal historical sites.

- Requires sound information
- Critical to keep the information secure

Aboriginal Involvement Program

How:

1) Relationships:

Leveraging Community – Industry – Government partnerships

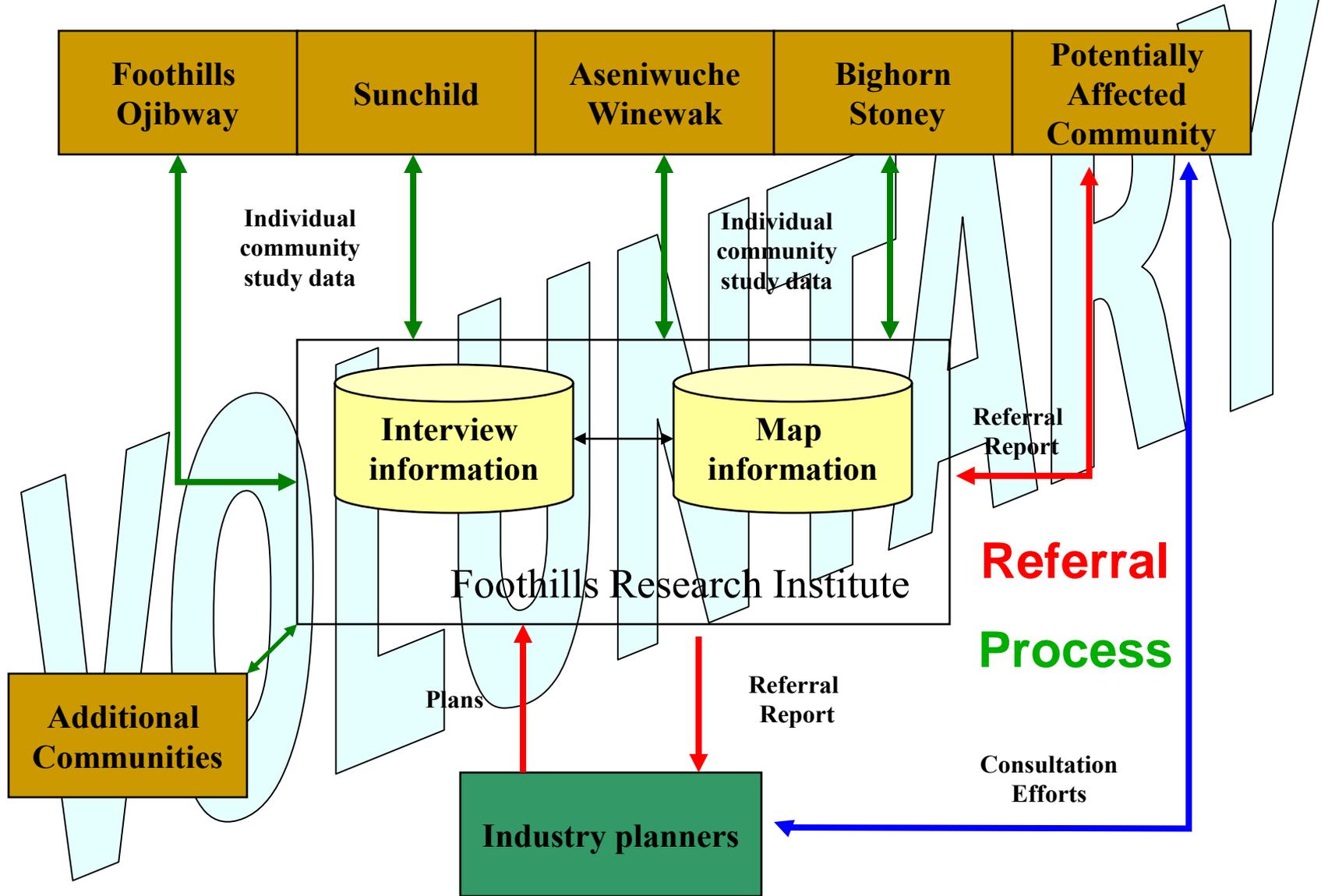
2) Information:

Relying on data and technology rather than strictly politics and policy

3) Respect:

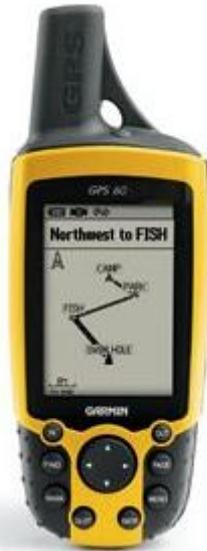
Utilize the data we have via relationships

Multi-community Traditional Cultural Study



How We Do It

1. Train community members in the use of GPS units and field sheets



How We Do It

2. Enter traditional cultural sites - import GPS data into a spatial PGDB, input field sheet data into a non-spatial DB (MSAccess)

The screenshot displays the Foothills Model Forest data entry software interface, which is divided into several overlapping windows. The main window is titled "Interviews" and contains a form for entering participant information. The "Participant Information" section includes fields for First Name (Tess), Last Name (Pattison), Community (Foothills Model Forest), Place of Birth (Mississauga), Address (270 Hillside Dr, Mississauga, ON), and Phone ((905) 555-1234). Below this is a "Family Tree" section with fields for Father (Alfred), Grandfather (Ward), Grandmother (Elsie), and Last Name (Franklin). A comment field contains the text "sister of Laura, Margaret and Melissa".

Overlapping windows include "Site Visits" and "TCSSiteVisit". The "Site Visits" window shows a form for entering site visit data, including Site Name (Route to JPL from Jasper Townsite), Field Date (15-Feb-06), Weather (Bright Sunny Warm), Crew 1 (Melissa), Crew 2, GPS Model (Garmin GPSMap 60), Data Type (Track), UTM Zone (11), and a "Track" table with columns for Start and End. The "Track" table contains the following data:

GPS Wpt ID	Start	End
PLOT3	JPL	
UTM x	427288.864	429138.421
UTM y	5859352.20	5860213.35
Elevation		3423

The "TCSSiteVisit" window shows a form for entering site visit data, including Site Name (Jasper Park Lodge), Name (Tess Pattison), Community (Foothills Model Forest), Address (270 Hillside Dr, Mississauga, ON), and Phone ((905) 555-1234). The "Access Description" field contains the text "Started at parking lot near information centre in the Jasper townsite." and the "Site Description" field contains the text "Route along roads to the Jasper Park Lodge from the parking lot near the information centre in the Jasper townsite.".

At the bottom of the interface, there is a "Media Files" table with columns for Date, Media Type, Description, Media Link, and Comments. The table is currently empty. Below the table are navigation buttons: "Add New Site Visit", "Delete Current Record", and "Close Form".



World Class Traditional Use Study

**Aboriginal Involvement and Referral Program
Traditional Cultural Study Database Model**

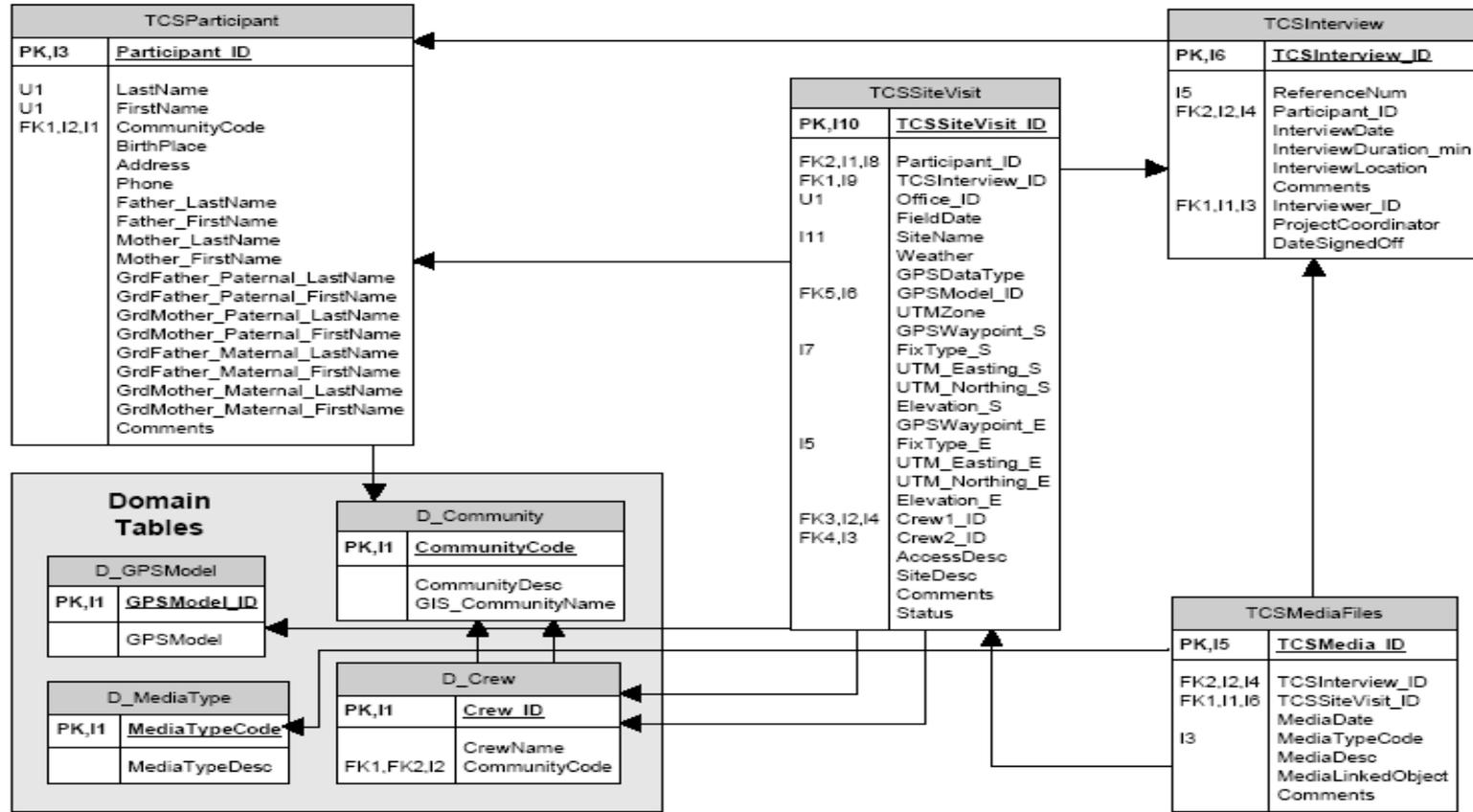
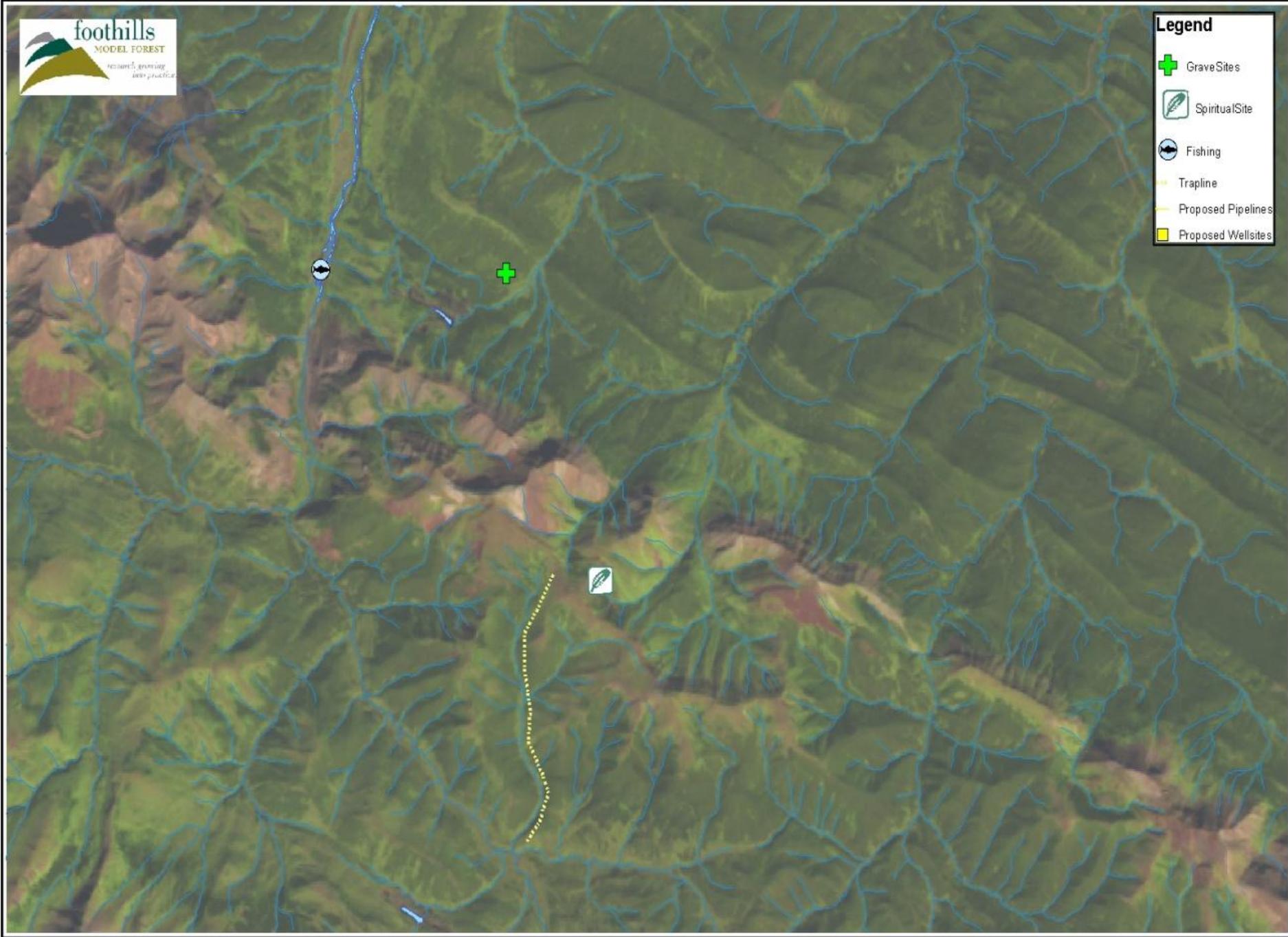


Diagram Produced By: Melissa Peillon
Date of Diagram: December 5, 2005

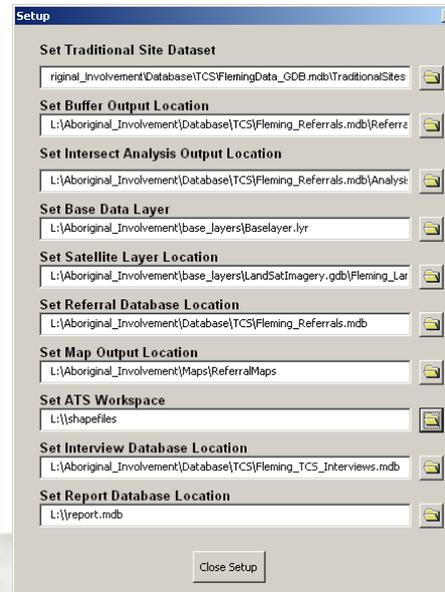
Legend

-  Grave Sites
-  Spiritual Site
-  Fishing
-  Trapline
-  Proposed Pipelines
-  Proposed Wellsites



How We Do It

3. Add proposed development locations from industry into the GIS
4. Automated GIS steps & processes determine which Aboriginal communities need to be contacted for potential consultation.



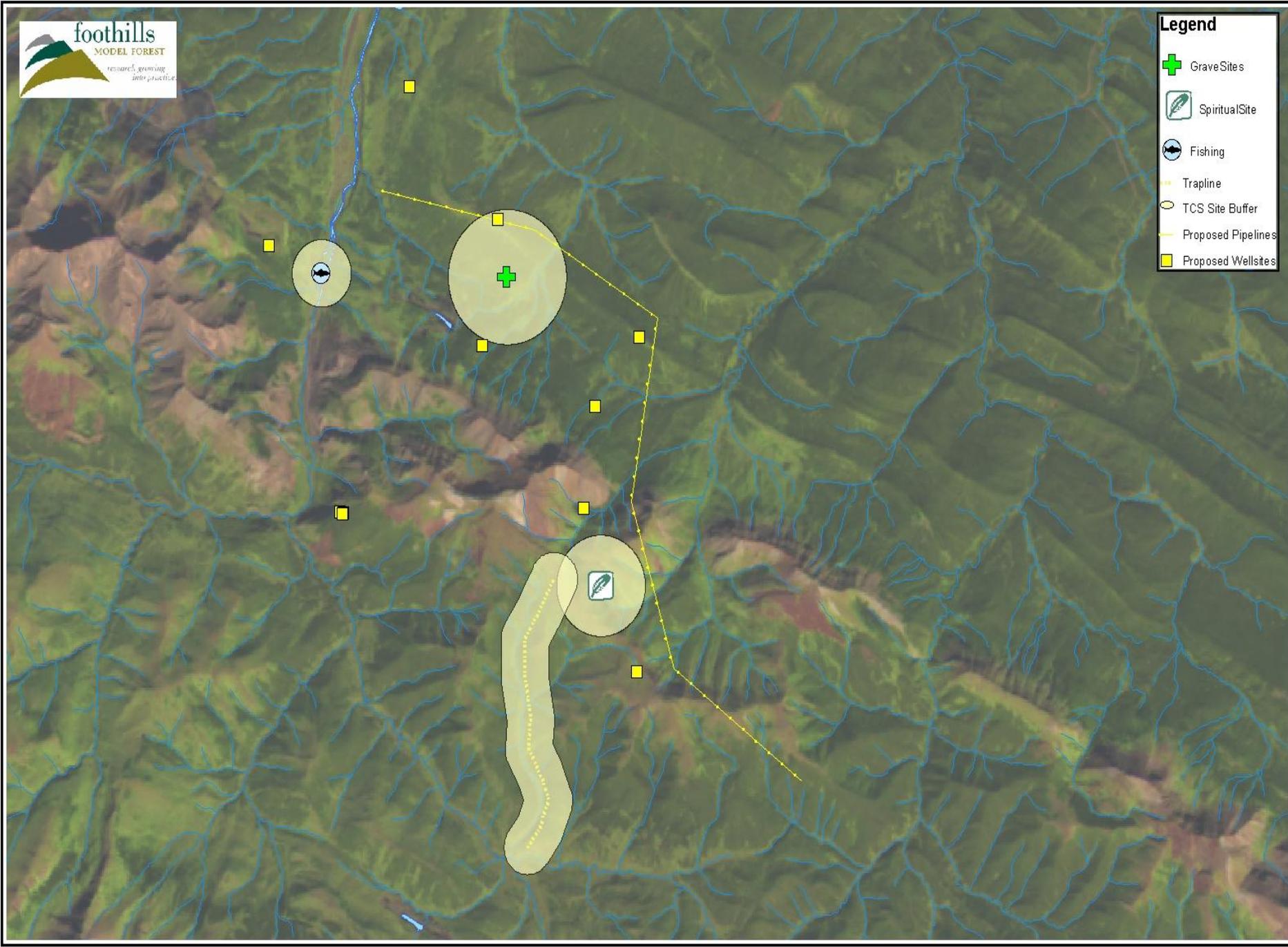
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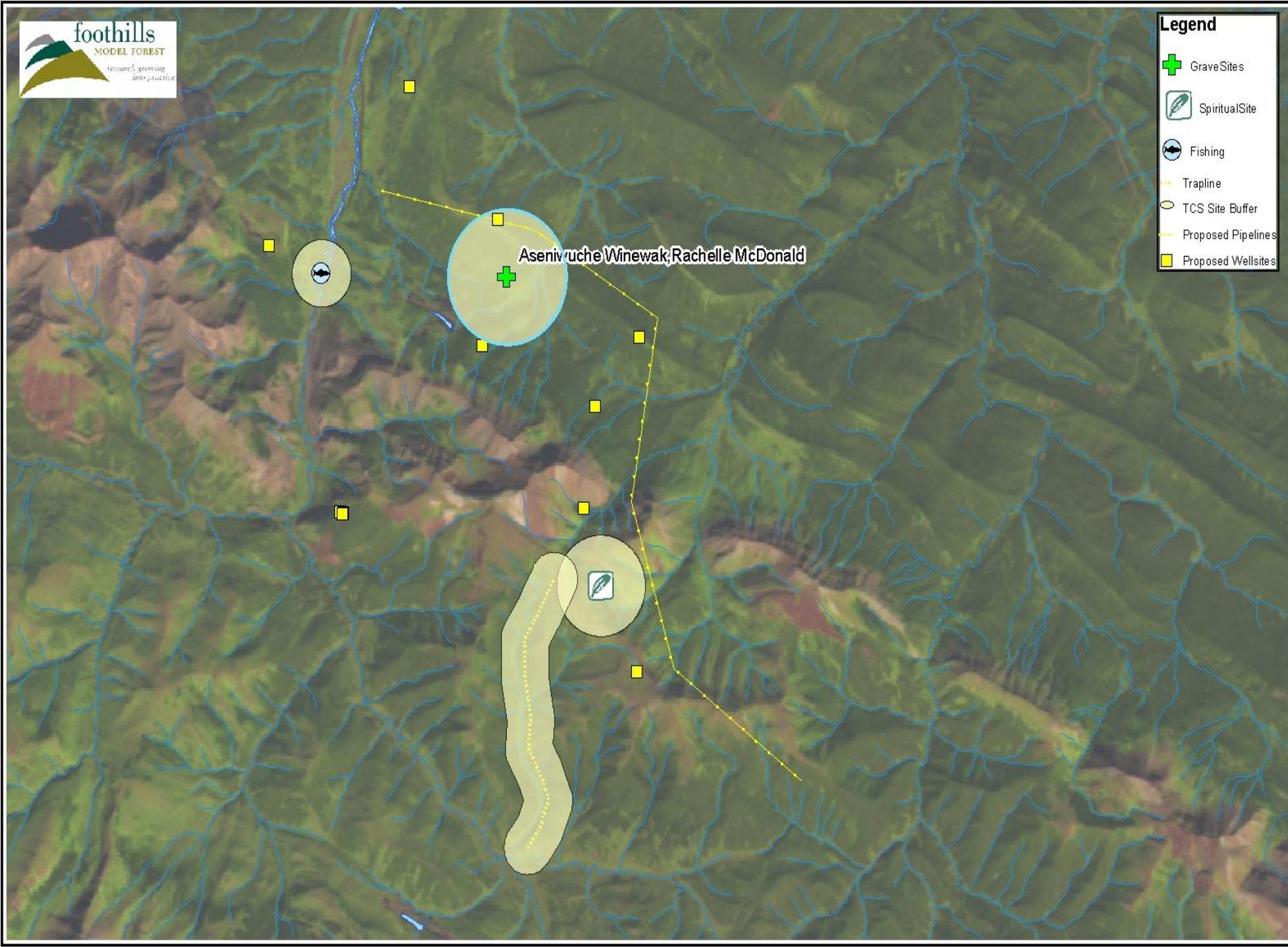


Legend

- GraveSites
- SpiritualSite
- Fishing
- Trapline
- TCS Site Buffer
- Proposed Pipelines
- Proposed Wellsites



- Legend**
- GraveSites
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Asenivruche Winewak, Rachelle McDonald

How We Do It

5. Distribute results to industry and community representatives via Referral Reports (.pdf format).
- 2 types of reports: Community and Industry
 - Includes automated map layout (also saves time)



Referral Process Pilot Reports

Planned Harvest Blocks in Conflict with Traditional Use Sites Submitted to the Foothills Model Forest by Hinton Wood Products as HWP_AOP_2006 Report For Industry Representative

Block/Location ID: 5-009-0038 **Planned Harvest Date:** 15-Jul-06

Community Affected: Foothills Ojibway Society

Contact: Rita Whitford	Mailing Address:
Phone: (780)865-1865	Box 6395
Fax: (780)865-7540	Hinton
Email: tos1865@telus.net	Alberta T7V 1V7

Community Affected: Nakowinewak Nation

Contact: Jean Whitehorse	Mailing Address:
Phone: (780)865-4600	Box 6116
Fax: (780)865-5900	Hinton
Email: nakowinewak@telus.net	Alberta T7V 1X5

Block/Location ID: 5-009-0043 **Planned Harvest Date:** 15-Oct-06

Community Affected: Foothills Ojibway Society

Contact: Rita Whitford	Mailing Address:
Phone: (780)865-1865	Box 6395
Fax: (780)865-7540	Hinton
Email: tos1865@telus.net	Alberta T7V 1V7

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Community Affected: Nakowinewak Nation

Contact: Jean Whitehorse	Mailing Address:
Phone: (780)865-4600	Box 6116
Fax: (780)865-5900	Hinton
Email: nakowinewak@telus.net	Alberta T7V 1X5

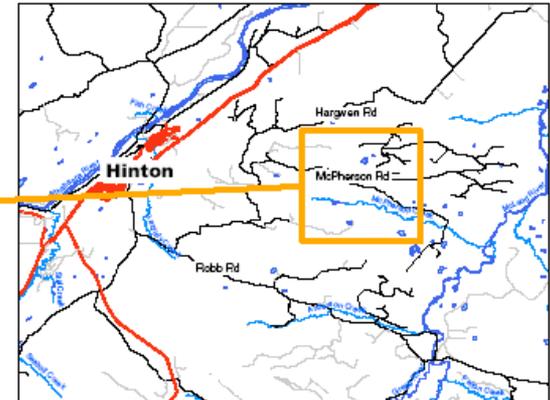
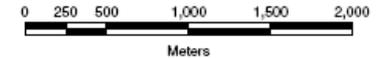
Pilot Study

Draft

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Area of Proposed Shell Development Twp 051 Rge 23 W5M



Prepared For the Foothills Ojibway Society
On July 12, 2006
By Melissa Pattison



Referral Process Pilot Reports

Planned Projects in Conflict with Traditional Use Sites

*Submitted to the Foothills Research Institute by Forestry Company 1
as Forestry_1.shp*

Report for Industry Representative

Jul 31 2008

Sub Section: Maligne_12

Planned Disturbance Date: 1/1/2007

Community Name: Smallgirls

<i>Primary Contact:</i>	Melissa Pattison	<i>Address:</i>	Box 6330
<i>Phone:</i>	(780)865-8393		
<i>Fax:</i>	(780)865-8331		Hinton
<i>E-mail:</i>	melissa.pattison@gov.ab.ca		Alberta
			T7V 1X6

How We Do It

6. Aboriginal communities, industry, and government collaboratively identify Aboriginal landbase cultural values and determine how to protect them whenever there are development plans for a mutual area of interest.



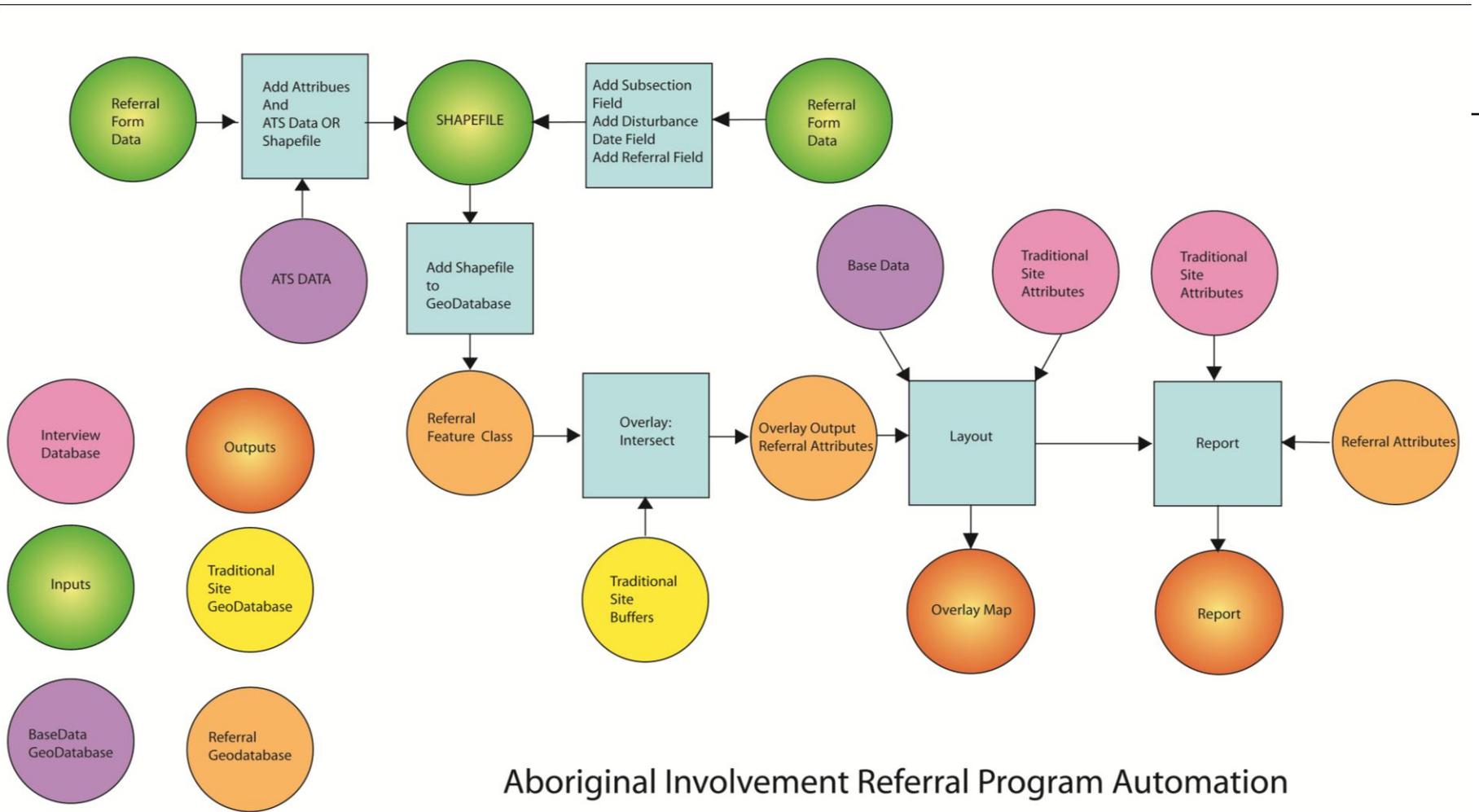
How We Do It

***KEY POINTS*:**

The referral process does not identify precise locations of culturally significant sites; that information is owned solely by the Aboriginal communities with ties to those sites.

- FRI does not participate in conflict resolution, but is a neutral repository for the data and technological process.





Aboriginal Involvement Referral Program Automation

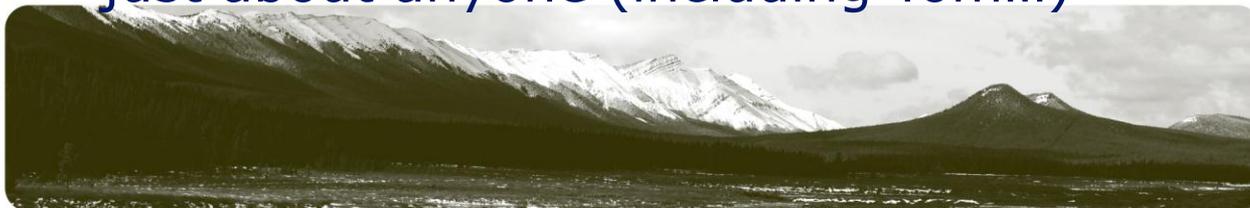


Data Management & The Process

- Originally used a “point & click” method with past versions of ArcGIS 9.x that required an ArcInfo license and a third party ArcMap extension
- Cons: Have to perform many processes and repetitive steps!
- Room for error and time intensive.
- Difficult for non-GISers to run!

Goal:

- Reduce the time to run the process and reduce the margin of error.
- Would like the ease of running TRP to be technically run by just about anyone (including Tom...)



Data Management & The Process

- No longer require an ArcInfo license and third party extension to run the process, ArcView 9.2 license is sufficient



Challenges

- The “automation” of the process (students, saves \$\$\$, but results can be unpredictable)...
- The running of the referral process. Usually limited to 1 technician so knowledge transfer is key!
- System metadata is critical
- Keeping up with new versions of Arcmap & programming updates. Needs someone who has some programming savvy (VBA/ArcObjects).

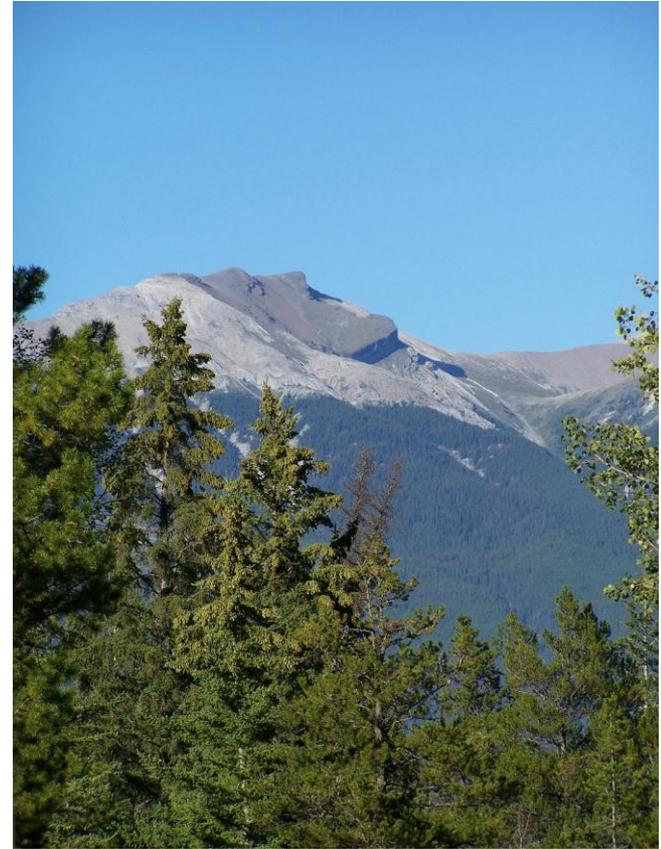


Aboriginal Involvement Program Referral Process

What We've Accomplished:

Multi-community Traditional Cultural Study

- 1) Documented and stored over 2300 TLU sites from 5 communities
- 2) Trained over 25 community technicians



Aboriginal Involvement Program Referral Process

What We've Accomplished:

Multi-community Traditional Cultural Study

3) Interviews with 52 community elders

4) Youth participants 89



Future Opportunities

- Web potential for submissions?
- Future customization
- Internet

Thank you for your time!