



Natural Resources  
Canada

Ressources naturelles  
Canada



# Surveyor General Branch



## Wiikwemkoong First Nation (WFN) and SGB Survey Pilot Project 2015-2017 Update



3 March 2017

Canada



## BACKGROUND continued...

### *Early 2015:*

WFN presented a Lands Survey Pilot Project (LSPP) to deal with unresolved estates and other land issues

### *June 2015:*

SGB Ontario Regional Office (ORO) met with WFN and started work on a provisional MoU

### *September 2015:*

Training and field work started

*Not professional land surveying licensing or any academic qualification.*



# TRAINING & SURVEYING

## *Strategy:*

Informal iterative process

Initial visit, evaluation, identify learning material and present at subsequent visit

## *Trips:*

~Eight Trips (26 days + 16 days travel)

Nine days theory and eleven theory

Ad hoc communication between trips

Start and end meetings



## *Theory & Practical:*

Theory - surveying textbooks, legislation, publications from Land Surveying

Associations and other sources.

Surveying skill not tested

Exhibit expanding surveying knowledge and skill



# PILOT PROJECT STATUS

## *Surveying Projects:*

### *Survey of Lot 569 (Project 21514127)*

Calculated and all monuments are planted

Drafting of the plan of survey – Final Draft

Road was added to the north and east of the subject parcel for access

Wooden stakes

### *Survey of Lot 913*

Field work started

Final approvals from the C.P. holders are pending

### *Survey of Lots 980 and 981*

Field work started

Final approvals from the C.P. holders are pending



# WHAT WENT WELL?

## *Prior Relationship:*

WFN – SGB

## *Willingness:*

Consensus

Crew keen

## *Progress:*

Training pay-off (H&S, data capture)







# ROOM FOR IMPROVEMENT

## *Agreement:*

MoU

## *Communication:*

Track progress

## *SGB resources:*

Human resources and support

## *WFN resources:*

Human resources and other responsibilities

## *Funding source:*

Funding lag



# ROOM FOR IMPROVEMENT continued...

## *Seasonal Issues:*

Weather conditions

## *Field Crew:*

Limited surveying experience

Portability consideration

## *Hardware/Software:*

Interoperability

Learning curve (both ways)

## *Formal in Class Training:*

Structured in-classroom

Theory (capacity building more wholesome)





# ROOM FOR IMPROVEMENT continued...

## *Equipment Checklist:*

Fragmented – software, hardware and general survey equipment checklists

## *Survey Manual/Resources Library:*

Survey related documents

Portability benchmark

## *Training Re-enforcement:*

Re-visit learning opportunities (continual learning)

Meaningful capacity building

## *Unwritten Touches:*

Unwritten survey tips & tricks







# ROOM FOR IMPROVEMENT continued...

## *Surveyor and Crew Influence:*

Equal stakeholders in the partnership

Opposed to Land Surveyor & Crew relationship

## *Wholesome Training:*

Full range of surveying training

Lack of opportunity (type & size of survey work)

## *ORO Capacity Lag:*

ORO under capacity

Survey manager

## *Other Issues:*

Geographic distance



## NEXT STEPS (Pilot Project)

### *Survey Perspective:*

Crew progressing steadily

Future training - move toward office calculation, drafting and completing final survey deliverables – more Surveyor time

### *Pilot Project Perspective:*

Current resource and funding model

Private survey firm - direct supervision





# NEXT STEPS

## *Formal Training:*

Certificate, Diploma or Degree

Health & Safety (First Aid, WHMIS, ATV etc.)

## *Develop Private Land Surveyor Partnership:*

Create and grow a WFN – Private Surveyor - SGB partnership

## *Complete Current Survey Projects:*

Training and field work started

Private Surveyor for assistance

## *Model for Extrapolation:*

Devise and fine tune a model that can be ported



# SGB ROLE

## *Support:*

Technical, facilitating, regulatory, professional and mentoring

## *Develop and Participate:*

Band – SGB – Private Land Surveyor – Association of Canada Lands Surveyors (ACLS) Partnership

## *Facilitation:*

Assist Bands to meet their capacity building goals  
Explore options

## *QA/QC:*

Along with ACLS help ensure appropriate training, skills and experience is acquired



# CONCLUSION

*Built some survey capacity*

*Opportunities for Improvement*

*Lessons learnt*

*Next Steps*