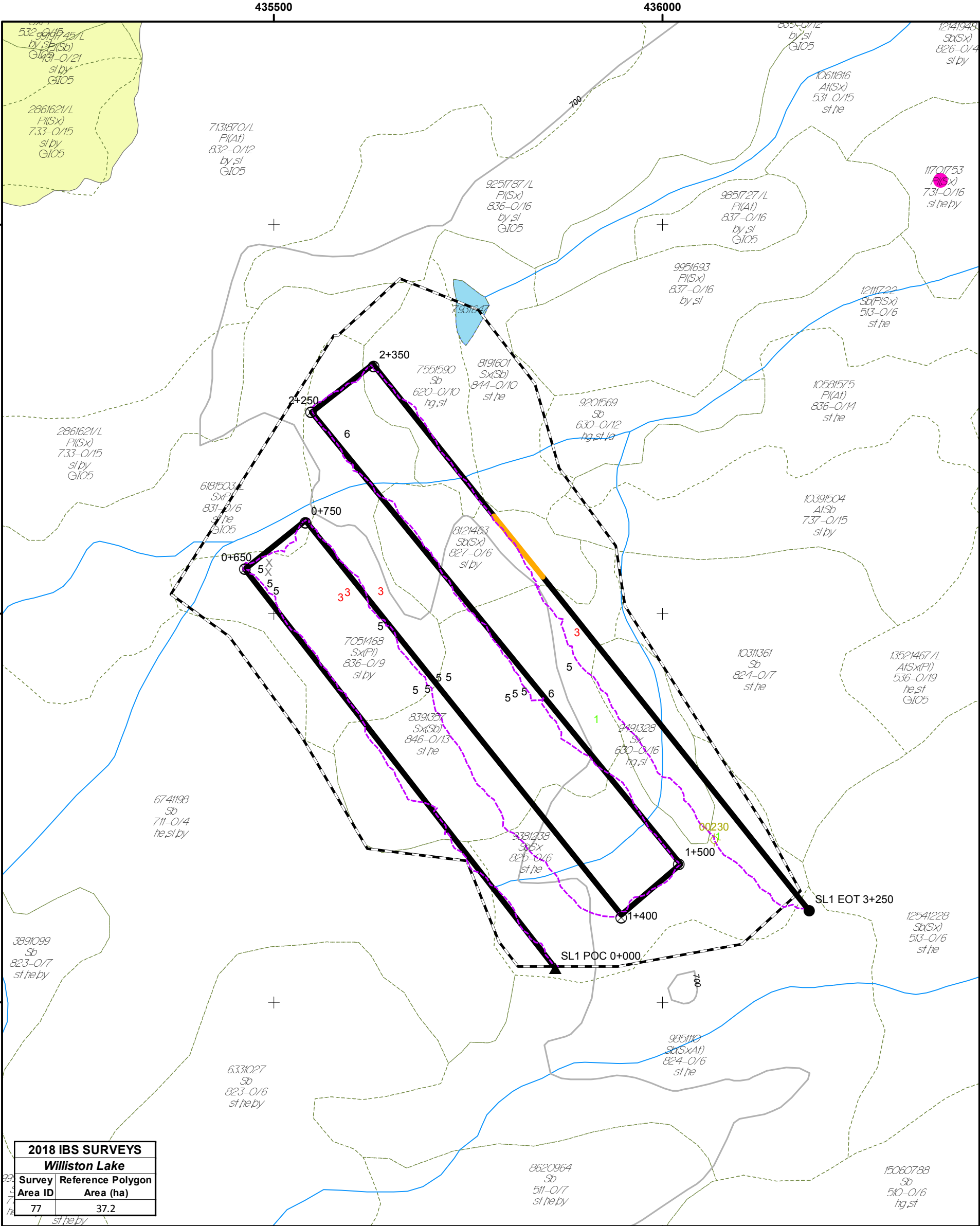






Ministry of  
Forests, Lands, Natural  
Resource Operations  
and Rural Development

2018 Spruce  
Beetle Survey

Polygon 77

Mackenzie Natural Resource District

Location: Williston Lake

Map Reference: 93N.090

Zone 10 E435,779 N6,191,487

55°51'52.58"N 124°1'34.14"W



Date: 15 January 2019  
File: ..\NAZCA\2018\BETLE\_MAPS\Mackenzie\Ominica\_Blackwater\MXD  
\\2018\_IBS\_Poly77.MXD

0 50 100 150 200

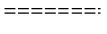
metres

UTM, NAD83

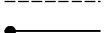
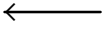
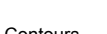
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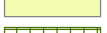




POC  
EOT  
COD/STN  
Reference Polygon



Gravel Road  
Forest Service Road  
Paved Road/Highway  
Trail  
Transmission Line  
Pipeline  
Watercourse



Contours  
Index - 100m Interval  
Intermediate - 20m Interval



VRI  
RESULTS Free Growing  
RESULTS Disturbed/Harvested  
RESULTS Reserve  
Waterbody



Pest Infestation Points  
IBM (Pine Attack - PI)  
IBM (Pine Attack - Pa)  
IBD (Douglas-fir Attack - Fd)  
IBS (Spruce Attack - Sx)



Pest Infestation Severity  
IBS - Spruce Beetle  
Medium  
Severe

**IBS HYBRID WALKTHROUGH  
SURVEYS**

**INFESTATION CODES**

NUMBER

YEAR OF ATTACK

1 or 2

2018

3 or 4

2017

5 or 6

2016 or Older

P.O. Pitch Out

Probe Section

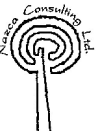
Strip Line

GPS Route

Waypoint - Current On-Line Infest



Uninfested Blowdown  
Infested Blowdown  
Old Grey Dead



**NAZCA CONSULTING LTD.**  
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