

# RESULTS

## Forest For Tomorrow Training 2010-2011



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### RESULTS

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UserName: IDIR/MTSOI   Environment: PROD   Version: 02.03.00

Welcome to the RESULTS System

2006-01-30

 RESULTS(Reporting Silviculture Updates and Landstatus Tracking System) is a web-based application that provides clients and government staff direct on-line access to Provincial spatially enabled silviculture information. RESULTS will track and report silviculture accomplishments, administer approved stocking standards and evaluate free-growing progress on obligations.

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**September 2010**

# RESULTS – FFT Training Scope



Business Drivers

Review of Reporting Requirements

Past Challenges (based on review since 2005 to current)

# RESULTS – Business Drivers



Funding based on demonstrated operational needs

- forest cover with NSR/Impeded areas, scheduled planned treatments
- Reporting demonstrates where money is needed and where investments has been spent and outcomes
- MFR Service Plan uses Changes in the NSR Report to track for Reforestation to Disturbance Ratio – Key Performance Indicator
- Forest cover updates directly impacts this statistic!

# RESULTS – Business Drivers



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## For the Record



### FACTS ABOUT REFORESTATION IN B.C.

Oct. 1, 2009

Ministry of Forests and Range

British Columbia is known around the world for its forests and forest products. Reforestation is a key element of B.C.'s sustainable forestry regime. Here are the facts about reforestation in B.C.:

- About two-thirds of British Columbia's total 95 million hectares are forested.
- British Columbia has about as much forest as it did 150 years ago. About three per cent of areas that were formerly forests have been permanently converted to other land uses, such as towns, cities or for agricultural use.
- In British Columbia, reforestation is strictly regulated so that new forests mirror the diversity of natural forests, and support the sustainable harvest of commercially valuable timber.
- By law, all harvested areas must be reforested. The timber licensee pays the cost of reforestation.
- After fire or harvest, reforestation occurs by planting or by natural regeneration (trees sprouting from naturally occurring seed or from roots).
- About 20 per cent of harvested areas are reforested naturally; the balance by planting.
- Seeds used in reforestation programs come from two sources: seed orchards, which produce "select" seed from trees with proven growth, timber and pest resistance qualities; and wild stands.
- By law, reforestation decisions (such as what species to plant) must be made by registered forest professionals. These decisions are driven based on the natural ecological conditions of the harvested area.
- Virtually all logged areas are reforested within legally set, allowable timeframes.
- British Columbia uses a mix of over 20 different native tree species in its reforestation programs.
- Data shows that reforestation is maintaining a mix of tree species in B.C., which helps maintain ecosystem processes and diverse habitats.
- No genetically-modified seedlings may be planted on public land in B.C.
- On average, more than 200 million tree seedlings are planted each year on public forest land in B.C.
- Since reforestation programs began in the 1930s, more than 6 billion trees have been planted in B.C.
- The province established Forests for Tomorrow to reforest the areas hardest hit by catastrophic wildfires and mountain pine beetle epidemic. The program reforests areas that are not being commercially harvested and is projected to plant 60 million trees by 2012/13.
- Research has contributed to evolution in silviculture practices over the past 30 years, leading to improved conservation of biological diversity, reforestation, and the volume and value of future timber supplies.
- The province's Chief Forester has established standards to regulate the registration, storage, selection and transfer of

The province established Forests for Tomorrow to reforest the areas hardest hit by catastrophic wildfires and mountain pine beetle epidemic. The program reforests areas that are not being commercially harvested and is projected to plant 60 million trees by 2012/13.

# RESULTS – Business Drivers



Forest & Range 2010/11 to 2012/13 Land Based Investment Strategy – May 27, 2010

|                            |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | Restore the forest resources in areas affected by the epidemic.                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>* Reforest on a priority basis to return lands to productivity quickly and effectively</li> <li>* Establish strategies and priorities for a variety of forest values (e.g. water to timber)</li> <li>* Restore forest ecosystem productivity</li> <li>* Undertake stand treatments on a priority basis for harvest sooner than originally planned</li> </ul> |
| Roundtable Recommendations | <ul style="list-style-type: none"> <li>* Review forest management and silviculture practices to ensure that they encourage maximum productivity, value and support forest resilience</li> <li>* Enable the establishment of short rotation fibre plantations</li> </ul> |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Throne Speech Commitments  | <ul style="list-style-type: none"> <li>* Plant 60 M seedlings under FFT in 4 years ( 2008/09 to 2011/12)</li> <li>* Eliminate the backlog NSR(pre 1987) by 2015</li> </ul>                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Great Goal                 | <ul style="list-style-type: none"> <li>* Lead the world in sustainable environmental management, with the best air and water quality, and the best fisheries management, bar none.</li> </ul>                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                     |

# RESULTS – Business Drivers



Forests and Range

2010/11  
to 2012/13

Land Based Investment Strategy



## Monitoring and continuous improvement

Evaluation of the LBIS's planning, administration, and delivery effectiveness and efficiency will be carried out by the Forest Practices and Investment Branch and the Land Base Delivery Branch. The Forest Practices and Investment Branch will establish reporting requirements into database systems (e.g. RESULTS) and organize and present this data in a way that will provide managers with the means to improve LBIS's planning, administration, and delivery effectiveness and efficiency.

# RESULTS – Business Drivers



## Ministry of Forests and Range

In addition to the full response fires, an additional 435 wildfires were managed as modified response fires. Modified response fires are managed to allow fire to burn naturally on the landscape where identified values are not threatened. Modified response fires are monitored and suppression action is only taken when there is a requirement to ensure the fire does not move beyond a predetermined perimeter. Managing fires as modified response encourages healthy ecosystems by allowing natural fire to take place and reduces the overall cost of wildfire control by not requiring full wildfire suppression expenditures on fires that do not threaten values.



## Performance Results

| Performance Measure                                                                        | 2007/08<br>Actual | 2008/09<br>Actual | 2009/10<br>Target | 2009/10<br>Actual |
|--------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Ratio of area reforested to area harvested or lost to fire and pest (unsalvageable losses) | 0.83              | 0.78              | 0.82              | 0.88<br>EXCEEDED  |

## Ministry Response

The summer of 2009 presented an exceptional challenge to provincial wildfire response with the total number of wildfires reaching 138 per cent above the 5 year average of 1848 fires. A record 213 interface fires also occurred during this fire season. Despite the severity of the fire season, losses to communities and structures were minimized. The successful outcome of the 2009 fire season confirmed that the strategic direction for provincial wildfire management, including a coordinated and collaborative response with communities and emergency response agencies, is working well. The 2009 wildfire season has been reviewed and opportunities for continuous improvement will be implemented to further improve outcomes in future wildfire seasons.

## Performance Results

| Performance Measure                                                                        | 2007/08<br>Actual | 2008/09<br>Actual | 2009/10<br>Target | 2009/10<br>Actual |
|--------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Ratio of area reforested to area harvested or lost to fire and pest (unsalvageable losses) | 0.83              | 0.78              | 0.82              | 0.88<br>EXCEEDED  |

Data Source: This ratio uses data from the past five years (a five-year rolling average), submitted by licensees and the Ministry, to RESULTS (Reporting Silviculture Updates and Landstatus Tracking System). The detailed information used to calculate the ratio is found in the annual NSR statistics posted at [www.for.gov.bc.ca/hp/silviculture/statistics/statistics.htm](http://www.for.gov.bc.ca/hp/silviculture/statistics/statistics.htm) and under Annual Report Silviculture Tables and Graphs.

## Discussion of Results

The ratio of area reforested to area harvested or lost to fire and pests is a high level indicator of stewardship and restoration of forest resources and ultimately, of sustainable forest productivity. A ratio of 1.0 indicates areas being reforested are in balance with those being harvested or lost to

As of 2010/11, this indicator will be reported as an internal performance measures with breakdown between government vs. legal obligation areas

# RESULTS – Business Drivers



Forest Cover  
Updates creates  
new row in Forest  
Cover History

• Application Home

## RESULTS

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Org Unit:    Status: APP - Approved

Client:     Name: WEST FRASER MILLS LTD.

Opening:       Opening Id:    Licensee Opening Id:

Licence No:    CP:    Cut Block:    Timber Mark:

Exhibit A Area (ha): 104.0   Disturbance Area (ha): 104.0   NAR (ha): 100.5   Forest Cover Area (ha): 103.7   Opening Gross Area (ha): 103.7

## RESULTS320 - Forest Cover Summary

  [Delete Forest Cover](#)   [New Forest Cover](#)   [Forest Cover History](#)

Last Action Date: 2003-07-14   Co

| SU | Polygon ID | Non-Mapped Area | Layer | Gross |
|----|------------|-----------------|-------|-------|
| 1  | A          |                 | I     | 5.9   |
| 1  | A          |                 | S     | 5.9   |
| 1  | B          |                 | I     | .9    |
| 1  | B          |                 | S     | .9    |
| 1  | C          |                 | I     | 11.5  |

## RESULTS329 - Forest Cover History

7 rows returned

| Date       | NP (ha) | NSR (ha) | IMM (ha) | Other (ha) | Total   | Map |                         |
|------------|---------|----------|----------|------------|---------|-----|-------------------------|
| 2003-07-14 | 3.2 +   | 8.1 +    | 92.4 +   | 0          | = 103.7 | No  | <a href="#">Details</a> |
| 2003-02-17 | 3.2 +   | 8.1 +    | 92.4 +   | 0          | = 103.7 | No  | <a href="#">Details</a> |
| 1998-03-30 | 3.2 +   | 3.5 +    | 97 +     | 0          | = 103.7 | No  | No Details Available    |
| 1998-03-27 | 3.2 +   | 3.5 +    | 97 +     | 0          | = 103.7 | No  | No Details Available    |
| 1996-09-10 | 3.2 +   | 14.9 +   | 85.6 +   | 0          | = 103.7 | No  | No Details Available    |
| 1995-01-04 | 1.6 +   | 91.8 +   | 8.7 +    | 0          | = 102.1 | No  | No Details Available    |
| 1984-02-01 | 4 +     | 100 +    | 0 +      | 0          | = 104   | No  | No Details Available    |

# RESULTS – Business Drivers



## Changes in the Not Satisfactorily Restocked

Page:

Page 1 of 1

(NSR) Crown Land

From: 2010-04-01

To: 2010-09-30

[Main Menu](#) : [Silviculture](#) : [RESULTS - Reporting Silviculture and Land Status](#) : Key Performance Indicators

Org Unit: All

TSO: All

Management Unit: All

Client:

Licence:

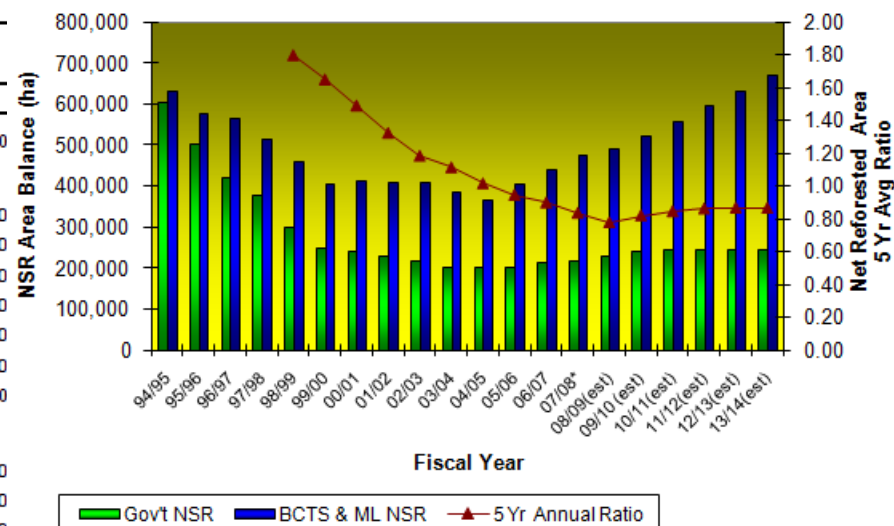
Land Status Date (From): 2010-04-01

| RESPONSIBILITY                    | BACKLOG (2) |           | CURRENT REFORESTA     |                       |
|-----------------------------------|-------------|-----------|-----------------------|-----------------------|
|                                   | MINISTRY    | MINISTRY  | MINISTRY              | BCTS (9)              |
| YEAR OF DENUDATION                | PRE-82      | 1982-87   | POST-87<br>(OCT 1/87) | POST-88<br>(JAN 1/88) |
|                                   |             |           |                       | hectares              |
| TOTAL NSR AS OF 2010-04-01        | 118,796.60  | 58,480.70 | 76,395.80             | 76,055.60             |
| Additions in NSR due to:          |             |           |                       |                       |
| Harvesting (4)                    | 0.00        | 0.00      | 2,336.50              | 17,396.90             |
| Fire (5)                          | 0.00        | 0.00      | 247.00                | 0.00                  |
| Pests (5)                         | 0.00        | 0.00      | 1,702.10              | 127.80                |
| Other Disturbances (6)            | 0.00        | 0.00      | 25.60                 | 55.50                 |
| Plantation Failure                | 0.00        | 114.80    | 24.20                 | 172.60                |
| Natural regeneration failure      | 397.30      | 0.00      | 67.60                 | 129.20                |
| TOTAL ADDITIONS TO NSR            | 397.30      | 114.80    | 4,403.00              | 17,882.00             |
| Reductions in NSR due to:         |             |           |                       |                       |
| Planting (7)                      | 4,257.00    | 974.80    | 3,774.10              | 9,142.40              |
| Natural regeneration              | 1,531.00    | 191.50    | 302.70                | 639.20                |
| Reclassification of NSR to NP (8) | 573.70      | 125.30    | 291.40                | 91.20                 |
| TOTAL REDUCTIONS TO NSR           | 6,361.70    | 1,291.60  | 4,368.20              | 9,872.80              |
| DIFFERENCE (10)                   | 51.20       | 7.40      | -14.50                | 5.80                  |
| TOTAL NSR AS OF 2010-09-30        | 112,883.40  | 57,311.30 | 76,416.10             | 84,070.60             |
| NET CHANGE IN NSR                 | -5,913.20   | -1,169.40 | 20.30                 | 8,015.00              |

### Reports

1. [% Permanent Access Structures - Summary Report \(for KOI Reporting\)](#) + help
2. [Achievement of Ministry Free Growing Obligations Under Forest Stand Management Fund](#) + help
3. [Changes in Not Satisfactorily Restocked Crown Land](#) + help

### Provincial Net Area - Total NSR & Ratio



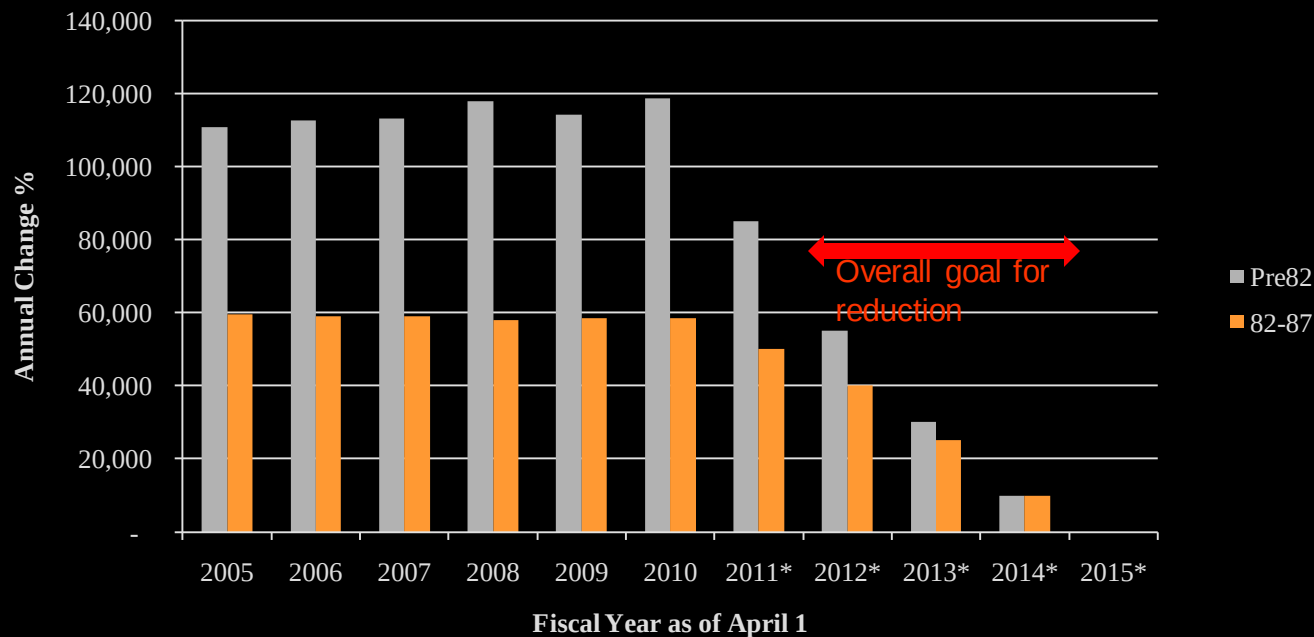
Legend: Gov't NSR (green bar), BCTS & ML NSR (blue bar), 5 Yr Annual Ratio (red line)

|            |            |
|------------|------------|
| 47,014.40  | 68,908.70  |
| 5.60       | 55.50      |
| 394,887.10 | 725,568.50 |
| -77.50     | 875.20     |

# RESULTS – Business Drivers



## Annual Changes in Pre-87 NSR



To achieve goal of no Backlog NSR as of 2015

Must be strategic with targeting areas with specific guidelines on work requirements

Treatable areas with planned activities based on ROI or declare or reclassify and report forest cover update

# RESULTS – Business Documentation



RESULTS - Ministry of Forests and Range - Province of British Columbia - Windows Internet Explorer

http://www.for.gov.bc.ca/his/results/business.htm

RESULTS - Ministry of F... x http://www.for.gov.bc.ca/...

British COLUMBIA  
The Best Place on Earth

B.C. Home

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Forest Practices  
RESULTS  
Business and Policy  
Documentation

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→ [Spatial Views](#)  
→ [Technical Specs](#)  
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## Business and Policy Documentation

The following documents provide information on RESULTS policies and procedures.

- [Submission Specifications](#)
- [Submission Procedures](#)
- [Memos & Bulletins](#)
- [Forest Stewardship Plan Submission Procedures](#)
- [Quality Assurance](#)
- [Woodlot Submissions](#)
- [Small Scale Salvage](#)
- [Monosodium Methanearsenate \(MSMA\) Treatments](#)
- [Wildlife Tree Retention, Resource Features, and Wildlife Habitat Features](#)
- [Delegation Matrices](#)
- [BEC Codes](#)
- [Survey Methods and Stratification](#)
- [Glossaries](#)
- [Archive](#)

## Submission Specifications

- [CF Memo \(RISS-Is\)](#) - Provincial memo from Jim Snetsinger, announcing RESULTS Information Submission Specifications: Licensee Submissions, a document that outlines the form and manner of reporting data to RESULTS.
- [RESULTS Information Submission Specifications: Licensee Submissions \(Edition 3a\)](#) - Edition 3a of the (formerly) Silviculture Information Submission Guidebook. Describes submission specifications for electronic submissions to RESULTS via the Electronic Submission Framework, including how to obtain access to RESULTS, and the various reporting components: Opening Key, Opening Definition, Disturbance Activity, Silviculture Activity, Forest Cover Inventory, and Milestone Declaration. Includes attribute and spatial mapping submission specifications for each report type. Spatial concepts, mapping and precision standards, legislation reference, and code lists are also provided. Edition 3a includes a minor update to correct a typographical omission, in Edition 3.0, in the forest cover crown closure field.
- [RESULTS Information Submission Specifications - Government Funded Silviculture Activities](#) - Requirements for preparing and submitting information pertaining to government funded silviculture activities (treatments and surveys) to RESULTS.
- [Aerial Fertilization Reporting Specifications](#) - Aerial fertilization activity reporting requirements are specified in the RESULTS Information Submission

RESULTS  
Business  
Website  
provide  
guidance  
documentation

# RESULTS – RISS-gov't funded



RISS-gf ensures standardize reporting and data requirements meet corporate needs (not just a program's)

Deficiencies in reporting procedures should be discussed with FPB

Varying from these requirements causes inaccurate and inconsistent reporting

# RESULTS – Review of Reporting Requirement



Completed planting activity – must provide Forest Cover Update

Forest Cover – full ESF submission (vegetation inventory needs both attribute and spatial information submitted together – No attribute only or spatial only updates

Forest Cover attribute component enables the updating of the NSR Table that drives business

Milestone Declaration – must also be supported by current forest cover updates. Declarations do not transfer any information to vegetation forest cover.

# RESULTS – Review of Reporting Requirement



## Expired Planned Activities

Do not delete any old planned activities as it demonstrates:

- work done under FFT;
- budgetary need but not funded; and,
- overall accountability for program-delivery in case of any review or external audits.

# RESULTS – Review of Reporting Requirement



Forward Planning – WHY?

Opening's area that meets ROI must have planned activities – must be scheduled as planned activities in RESULTS – this is the demonstration of operational needs

Attachments & comments do not count!

Funding request is based on operationally identified areas in RESULTS.

RESULTS CRS has a canned reports to show level of future planning – this can be run anytime for any organizational level and funding source to determine level of planning

# RESULTS –Planning Reports



Strategic level reporting showing gross area planning

Can be run at different resolutions (by district, region or province)

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Corporate Reporting System

Ministry of Forests

MY BOOKMARKS
ISSAWM01-Free Growing Report
delete

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Reports

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2. [RACAM02 - Project Summary Report](#) +
3. [Recipient Silviculture Accomplishment into RESULTS](#) +
4. [Silviculture Five Year Complete Report](#) +
5. [Silviculture Five Year Planning Report](#) +



## Ministry of Forests and Range

### Silviculture Five Year Planning Report <sup>2</sup>

Page: 1 of 1  
Date Printed: 2010-09-22  
User Id: IDIRVMTSOI  
Database: DBP01  
Report Id: RACAM03  
File:

Org Unit: All  
Client:  
Management Unit: All  
Funding Source: FTM - Forests for Tomorrow MOF Admin  
Base Code: All  
Fiscal Planning Date: 2011-04-01 to: 2016-03-31

Admin Zone:  
Opening Category: All

|                         | --- 2011/2012 --- |                        | --- 2012/2013 --- |                        | --- 2013/2014 --- |                        | --- 2014/2015 --- |                        | --- 2015/2016 --- |                        | --- 5 Yr Total --- |                        |
|-------------------------|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|--------------------|------------------------|
|                         | (ha)              | (\$ '000) <sup>3</sup> | (ha)              | (\$ '000) <sup>3</sup> | (ha)              | (\$ '000) <sup>3</sup> | (ha)              | (\$ '000) <sup>3</sup> | (ha)              | (\$ '000) <sup>3</sup> | (ha)               | (\$ '000) <sup>3</sup> |
| Surveys                 | 94,116            | 2,324                  | 111,221           | 1,488                  | 34,420            | 1,119                  | 28,891            | 569                    | 14,107            | 288                    | 282,755            | 5,789                  |
| Site Preparation        | 596               | 125                    | 52                | 33                     | 0                 | 0                      | 113               | 6                      | 193               | 9                      | 954                | 174                    |
| Planting                | 12,989            | 13,335                 | 565               | 499                    | 40                | 35                     | 8                 | 6                      | 0                 | 0                      | 13,602             | 13,875                 |
| Brushing                | 1,302             | 567                    | 570               | 208                    | 928               | 451                    | 353               | 90                     | 1,067             | 451                    | 4,219              | 1,766                  |
| Pest Control            | 0                 | 0                      | 0                 | 0                      | 0                 | 0                      | 39                | 0                      | 0                 | 0                      | 39                 | 0                      |
| Juvenile Spacing        | 369               | 161                    | 16                | 10                     | 86                | 3                      | 14                | 0                      | 18                | 18                     | 504                | 192                    |
| Total                   | 109,371           | 16,512                 | 112,424           | 2,238                  | 35,474            | 1,608                  | 29,418            | 672                    | 15,386            | 767                    | 302,072            | 21,797                 |
| Total No. of Activities | 2,382             |                        | 1,268             |                        | 804               |                        | 769               |                        | 511               |                        | 5,734              |                        |
| No. Missing Costs       | 49                |                        | 54                |                        | 4                 |                        | 18                |                        | 11                |                        | 136                |                        |

# RESULTS –Planning Reports



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Corporate Reporting System

Ministry of Forests

MY BOOKMARKS

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## RDD006-Activity Report

### Business Description:

This report produces a detailed listing of all planned and/or completed silviculture activities for a given opening. This report contains no formatting and is designed to be in CSV format that is easily downloaded into MSExcel or MSAccess.

Search Reports:

Search

District/Region/TSO\*: (DKA).....Kamloops Forest District

Licence:

Permit:

Client Number:

Client Location:

Open Category\*: -ALL-

Admin Zone:

Silviculture Base Code \*: PL - Planting

Silviculture Method Code\*: -ALL-

Silviculture Technique Code\*: -ALL-

Silviculture Funding Code\*: FTM - Forests for Tomorrow MOF Adm

Planned Start Date:

Planned End Date:

Complete Start Date:

Complete End Date:

Activity Results\*: NO

Update Start Date:

Update End Date:

Can set to any funding source

Set Activity RESULTS to "N" for planned activities only

Dates are currently being fixed  
(ETA complete by mid-October 2010)

# RESULTS –Planning Reports



RDD006-Activity Report – provides opening specific scheduled planning.

Can remove any unwanted columns. Can summarize data as needed.

| D        | E          | F         | G         | H        | I         | J         | K         | L         | M         | N         | O       | P             | Q       | R         |
|----------|------------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------------|---------|-----------|
| ROLLUP_R | OPENING_ID | ACTIVITY_ | ACTIVITY_ | ORG_UNIT | SILV_BASE | PLAN_SILV | PLAN_SILV | PLAN_SILV | PLAN_SILV | SILV_ACTI | PLANNED | PLANNED_DATE  | PLANNED | RESULTS_I |
| RSI      | -665070000 | 1775092   | 1         | 21       | PL        | PL        | CTAIN     | CE        | FTM       | HA        |         | 5/1/2007 0:00 | 6.7     | N         |
| RSI      | 1103713    | 1870750   | 12        | 21       | PL        | PL        | CTAIN     | CE        | FTM       | HA        | 5400    | 5/1/2009 0:00 | 5.4     | N         |
| RSI      | 1103763    | 1871567   | 6         | 21       | PL        | PL        | CTAIN     | CE        | FTM       | HA        | 18240   | 5/1/2010 0:00 | 15.2    | N         |
| RSI      | 1097749    | 1889777   | 4         | 21       | PL        | FP        | CTAIN     | CE        | FTM       | HA        | 13560   | 5/2/2010 0:00 | 11.3    | N         |
| RSI      | 1093771    | 1952335   | 7         | 21       | PL        | PL        | CTAIN     | CE        | FTM       | HA        | 13000   | 5/1/2010 0:00 | 12.9    | N         |
| RSI      | 1105182    | 2057007   | 6         | 21       | PL        | PL        | CTAIN     | CE        | FTM       | HA        | 7400    | 4/1/2009 0:00 | 7.4     | N         |
| RSI      | 1171694    | 2084986   | 8         | 21       | PL        | FP        | CTAIN     | CE        | FTM       | HA        | 2160    | 5/1/2012 0:00 | 3       | N         |
| RSI      | 1171695    | 2085002   | 8         | 21       | PL        | FP        | CTAIN     | CE        | FTM       | HA        | 10224   | 4/1/2012 0:00 | 14.2    | N         |
| RSI      | 1172638    | 2089531   | 7         | 21       | PL        | FP        | CTAIN     | CE        | FTM       | HA        | 5057    | 5/1/2012 0:00 | 6.4     | N         |
| RSI      | 1172647    | 2089644   | 9         | 21       | PL        | PL        | CTAIN     | CE        | FTM       | HA        | 21120   | 5/1/2010 0:00 | 17.6    | N         |
| RSI      | 1172657    | 2089787   | 8         | 21       | PL        | PL        | CTAIN     | CE        | FTM       | HA        | 2412    | 5/1/2007 0:00 | 3.1     | N         |
| RSI      | 1172670    | 2089977   | 7         | 21       | PL        | FP        | CTAIN     | CE        | FTM       | HA        | 15264   | 4/1/2012 0:00 | 21.2    | N         |
| RSI      | 1172673    | 2090016   | 7         | 21       | PL        | FP        | CTAIN     | CE        | FTM       | HA        | 19512   | 5/1/2010 0:00 | 27.1    | N         |
| RSI      | 1172870    | 2090604   | 8         | 21       | PL        | FP        | CTAIN     | CE        | FTM       | HA        | 37920   | 5/1/2011 0:00 | 31.6    | N         |
| RSI      | 1174317    | 2094676   | 2         | 21       | PL        | FP        | CTAIN     | CE        | FTM       | HA        | 7800    | 5/1/2012 0:00 | 6.5     | N         |
| RSI      | 1174318    | 2094697   | 7         | 21       | PL        | FP        | CTAIN     | CE        | FTM       | HA        | 6624    | 5/1/2010 0:00 | 9.2     | N         |
| RSI      | 1174329    | 2094842   | 7         | 21       | PL        | PL        | CTAIN     | CE        | FTM       | HA        | 14315   | 5/1/2010 0:00 | 17.2    | N         |
| RSI      | 1175010    | 2096280   | 3         | 21       | PL        | FP        | CTAIN     | CE        | FTM       | HA        | 9840    | 5/1/2012 0:00 | 8.2     | N         |
| RSI      | 1175692    | 2098232   | 2         | 21       | PL        | FP        | CTAIN     | CE        | FTM       | HA        | 9576    | 5/1/2010 0:00 | 13.3    | N         |

# RESULTS – Past Challenges



Recognize that there has been a learning-curve, evolution of reporting requirements – but let's move forward to avoid same mistakes!

File and Heli Review – accepted opening as-is and declare milestone but did not provide any forest cover update. Map sometimes as attachment but no FC submission

Declarations made as attachments – attachments are supplemental notes only and little use from data reporting's perspective. Must ensure right information is supplied in correct format. Declarations must be done via milestone declaration via ESF or online.

# RESULTS – Past Challenges



Treatment regimes as attachment – no use. Must have required planned treatments as individual planned activities in RESULTS

Survey with recommendation to resurvey again – a decision has to be made about the stand – to treat or not treat, not to survey over and over again

Impeded stands – declaration portion of stand/SU but no follow up schedule of action for remaining portion on non-FG areas.

Comments/Recommendation (attachment or comments) to complete follow up activities but nothing scheduled

# RESULTS – Past Challenges



Attachments are of little use in reporting! Only for supplemental information. We do not want duplication of the same information twice.

Planned treatments in Activities Component (not attachments!)

Forest Cover with maps (mandatory ESF) where expected after treatment or survey

Declarations made in Milestone Component with forest cover updates

Make sure the right information is provided in the form and manner specified whether online or ESF.

# RESULTS – Oct 7 Conf Call Q/A



## Backlog NSR Review

NP Areas – File Review if too much dispersed in an opening – can create as non-mappable areas, do not need to digitize the individual areas

If backlog stand is considered to be adequately stocked/free growing - do not spend time reconciling areas for openings between opening gross areas, NAR, and Exhibit 'A' areas – focus on forest cover as that is reflected on the ground; provide final full ESF forest cover submission with accurate polygon areas.

Missing attachments – what is required in attachment is specified in program's recipient agreements. RISS-gf references FFT Additional information (requirement by program)

# RESULTS – Attachments



## Government Funded Silviculture Activities – Version 3.0

Table 2 Funding Source Codes

| Code | Description                                       | Notes                                                                                                   |
|------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| FIL  | Forest Investment Account - Licensee Administered | Applies when FIA land base projects are delivered to the licensee.                                      |
| FRP  | FRPA Application For Relief                       | Activities funded under FRPA s.108 accounts brought to the same condition it was prior to the relief.   |
| FTL  | Forests for Tomorrow - Licensee Administered      | Activities funded by the FFT program that licensees under their FIA recipient agreements.               |
| FTM  | Forests for Tomorrow - MFR Administered           | Activities funded by the FFT program that branch, regions or districts internally or with the licensee. |
| GFS  | Forest Stand Management Fund                      |                                                                                                         |

## 6.2. Record Management

### 6.2.1. Approval

Some government funded program submissions (e.g., amendments, stockings, etc.) require District Manager approval. The submitter should notify either the Coordinator(s)<sup>12</sup> of the applicable district(s) and/or the MFR Project Administrator of submitting items that require district approval, to ensure these documents are approved in a timely fashion.

### 6.2.2. Projects

The RESULTS Projects module allows MFR Project Administrators to track administrative details associated with silviculture projects, prepare contract requirements, and monitor field implementation. Project Administrators and specific standards agree to specify whether Projects module usage is mandatory for a given project.

### 6.2.3. Attachments

For attachment specifications refer to the RESULTS ATTACHMENT STANDARD - Government Funded Silviculture Activities - on the RESULTS website  
[http://www.for.gov.bc.ca/his/Results/RESULTS\\_Attachment\\_Standard\\_for\\_Government\\_Funded\\_Programs\\_20091214.pdf](http://www.for.gov.bc.ca/his/Results/RESULTS_Attachment_Standard_for_Government_Funded_Programs_20091214.pdf)

#### 6.2.3.1. FFT Additional Information Requirement

- Where an IRR workbook (ROI) is completed, the workbook must be attached to the opening in RESULTS; and
- All survey activities must include treatment maps showing plot locations and must be supplied in pdf format.

## 6.2.3. Attachments

For attachment specifications refer to the RESULTS ATTACHMENT STANDARD - Government Funded Silviculture Activities - on the RESULTS website  
[http://www.for.gov.bc.ca/his/Results/RESULTS\\_Attachment\\_Standard\\_for\\_Government\\_Funded\\_Programs\\_20091214.pdf](http://www.for.gov.bc.ca/his/Results/RESULTS_Attachment_Standard_for_Government_Funded_Programs_20091214.pdf)

### 6.2.3.1. FFT Additional Information Requirement

- Where an IRR workbook (ROI) is completed, the workbook must be attached to the opening in RESULTS; and
- All survey activities must include treatment maps showing plot locations and must be supplied in pdf format.

RISS-gf makes specific reference to FFT data requirement – this is based on program's request. It is a program requirement.

Attachments are not a provincial requirement.

<sup>12</sup> RESULTS Regional and District Contacts [http://www.for.gov.bc.ca/his/results/Contact\\_List.pdf](http://www.for.gov.bc.ca/his/results/Contact_List.pdf)

# RESULTS – Attachments



## FFT Survey Standard

Makes specific reference to Attachments.

This is a program-specific requirement

| Recce, Stocking, Free Growing, and Plantability Survey<br>List of Deliverables                                             | # of<br>Original<br>s | Digital Deliverable<br>Format<br>(insertion ~ content) |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------|
| 1. All original field data and summary forms.                                                                              | 1                     | <u>Not applicable</u>                                  |
| 2. Survey Map and Survey Summary.                                                                                          | 1                     | <u>.pdf</u>                                            |
| 3. Treatment Map and Treatment Prescription (signed by an RPF), where future treatments are recommended.                   | 1                     | <u>.pdf</u>                                            |
| 4. ROI printout where applicable                                                                                           | 1                     | <u>.pdf</u>                                            |
| 5. Colour photograph for each Stratum                                                                                      | 1                     | <u>.jpg (incorporated into report)</u>                 |
| 6. (optional) Digital spatial information for strata and treatment areas in a format suitable for upload into <u>Genus</u> | <u>N/A</u>            | <u>.shp</u>                                            |

# RESULTS – Attachment Standards



## Attachments

- Draft Standards on RESULTS Website

### Key points:

- Maximum 10 attachments per opening
- Maximum size 1 Meg per file
- No file type restrictions
- Naming direction = YYYY\_base\_tech\_method (where attachment is directly from an activity)
- Unless specifically required by a Standards, DM, or FFT representation, all attachments are optional





# RESULTS – FFT Reporting

Contact information: [mtsoi@shaw.ca](mailto:mtsoi@shaw.ca) or

Caroline MacLeod: [Caroline.MacLeod@gov.bc.ca](mailto:Caroline.MacLeod@gov.bc.ca)

Please complete evaluation form

You will require your log on confirmation number:

<https://www.livemeeting.com/lrs/8002144422/Survey.aspx?pageName=7wx6v5bt4q804np9>



# RESULTS - Review from 2009/10

Slides from 2009 – 2010 FFT Training

# RESULTS – Changes in 2009/10 Review



Two new opening category codes:

FFTFLTC – openings harvested (usually after a pest or fire incident) where FFT will be reforesting the opening)

FFTITSL – openings that are harvested, but responsibility is shared between BCTS and FFT. Note that this is only for ITSL where FFT is involved.

# RESULTS –

## Changes in 2009/10 Review



Maximum Soil Disturbance % is a mandatory field for new openings for each SU.

To address this requirement users should default to FRPA standards (from FPPR Section 35(3))

- (a) if standards is predominantly comprised of sensitive soils, 5% of the NAR excluding any area covered by roadside work area.

- (b) if standards is not predominantly comprised of sensitive soils, 10% of the NAR excluding any area covered by roadside work area.

For existing openings

- (a) if null, then default to 5% (when there is an SS ID place)

- (b) if null, then stay null (when no SS ID in place)

# RESULTS – Changes in 2009/10 Review



Inability to declare for site plans (SS Ids) due to early free growing offsets

FPIB direction

- use Approved Variation (or equivalent via ESF submission) to change the early free growing offset value to blank
- Then declare milestone as intended.

Inter-agency number should be filled on planned activities – to provide indication who created the planned activity & is also part of forward planning work

# RESULTS – Changes in 2009/10 Review



Reserve Codes used to describe live trees reserved for either short or long durations to support a variety of objectives

Valid Reserve Codes are “G”-Group, “D”-Dispersed, or “N”-No reserves (same as null).

Old reserve codes are now retired and will be rejected upon forest cover updates or inserts.

[http://www.for.gov.bc.ca/his/results/Forest\\_Cover\\_Retention\\_Submissions.pdf](http://www.for.gov.bc.ca/his/results/Forest_Cover_Retention_Submissions.pdf)

# RESULTS – Changes in 2009/10 Review



## Attachments

- Draft Standards on RESULTS Website

## Key points:

- Maximum 10 attachments per opening
- Maximum size 1 Meg per file
- No file type restrictions
- Naming direction = YYYY\_base\_tech\_method (where attachment is directly from an activity)
- Unless specifically required by a Standards, DM, or FFT representation, all attachments are optional
  - Note IRR workbook will be required
  - Where it is required to show plot locations, a PDF map with plot locations must be attached, in all other situations, submit treatment maps in GML format via ESF.



# RESULTS – Encumbrance Checks – Mapview



Search    Inbox    Openings    Projects    Data Submission    Admin    Event Tracking    Reports

Opening Inquiry    Multi-Tenure    Stocking Standards    Activities    Projects    Forest Cover    Milestones    Land Status    Attachments

Org Unit: DCR - Campbell River Forest District    Status: FG - Free Growing

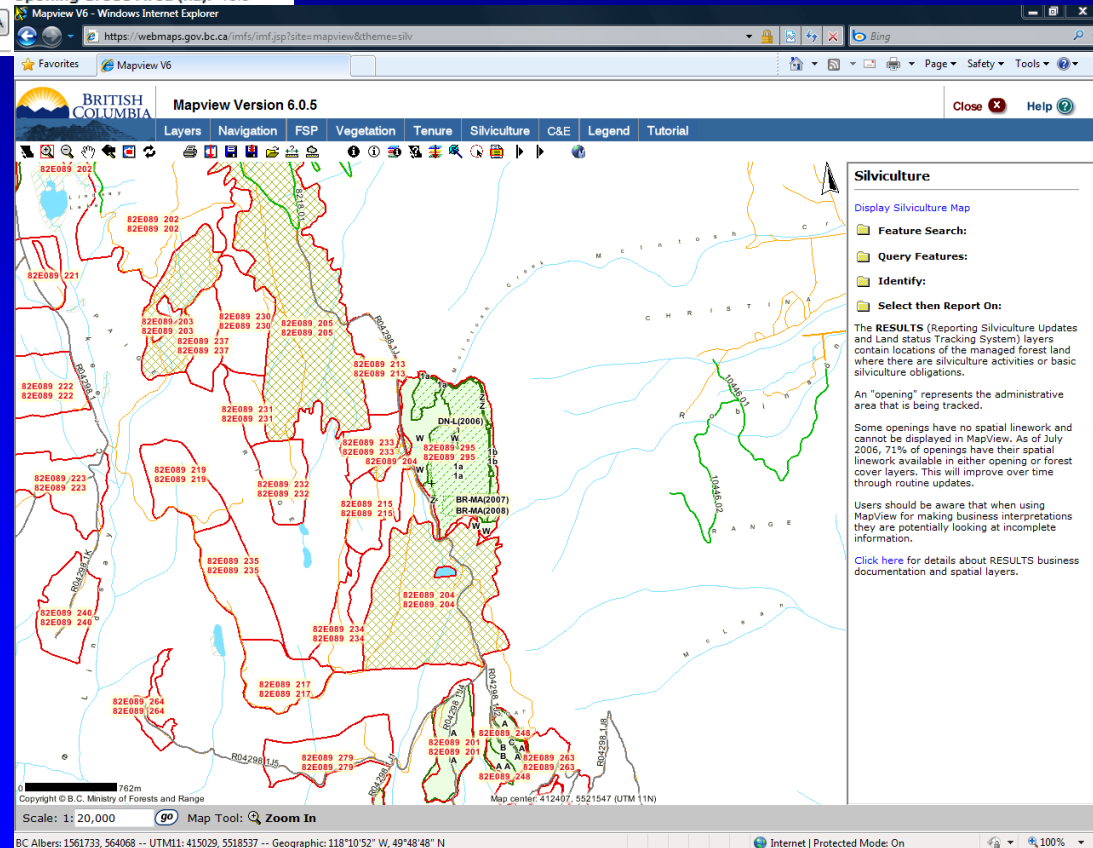
Client: TVWF    00    Name: TIMBERWEST FOREST CORP.

Opening: 92F    081    0.0    45    Opening Id: 5913    Licensee Opening Id:

Licence No: A29159    CP: 20    Cut Block: H-605A    Timber Mark: EC7020

Exhibit A Area (ha): 13.9    Disturbance Area (ha): 13.9    NAR (ha): 12.3    Forest Cover Area (ha): 12.3    Opening Gross Area (ha): 13.9

Go    Clear    SP Map    Map View    History    FTA

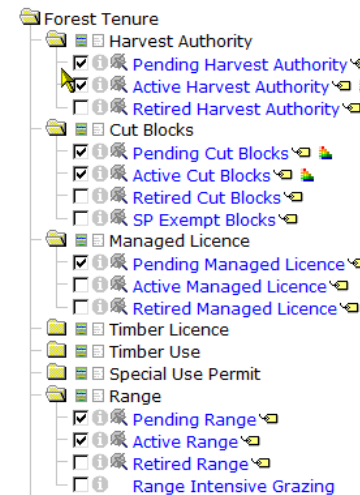
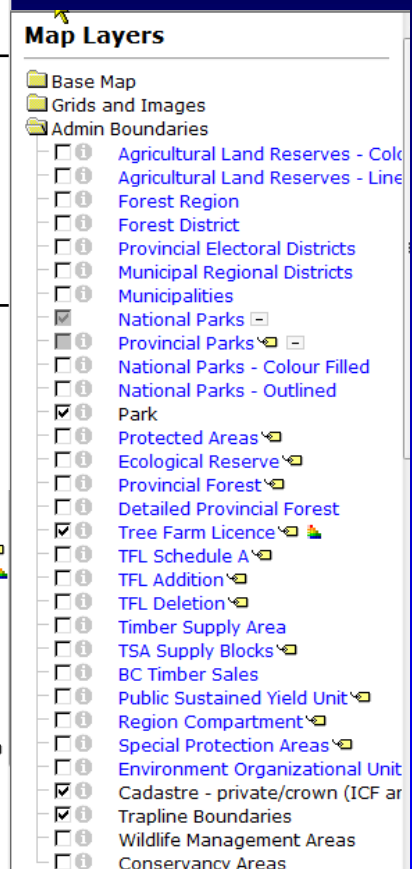


RESULTS has direct link to Mapview

# RESULTS – Encumbrance Checks - Mapview



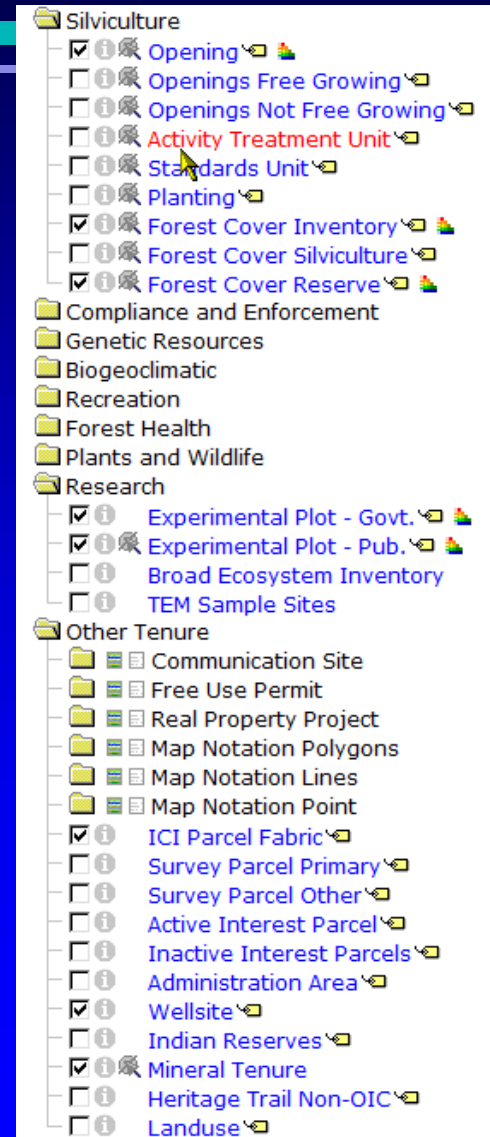
| Layer          | Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Admin Boundary | Park<br>Tree Farm Licence<br>Cadastre-Park/Crown (ICH and Survey Parcels)<br>Trapline Boundaries                                                                                                                                                                                                                                                                                                                                                                                                             |
| Forest Tenure  | Harvest Authority <ul style="list-style-type: none"> <li>- Pending Harvest Authority</li> <li>- Active Harvest Authority</li> </ul> Cutblocks <ul style="list-style-type: none"> <li>- Pending Cutblocks</li> <li>- Active Cutblocks</li> <li>- SP Exempt Cutblocks</li> </ul> Managed Licence <ul style="list-style-type: none"> <li>- Pending Managed Licence</li> <li>- Active Managed Licence</li> </ul> Range <ul style="list-style-type: none"> <li>- Pending Range</li> <li>- Active Range</li> </ul> |



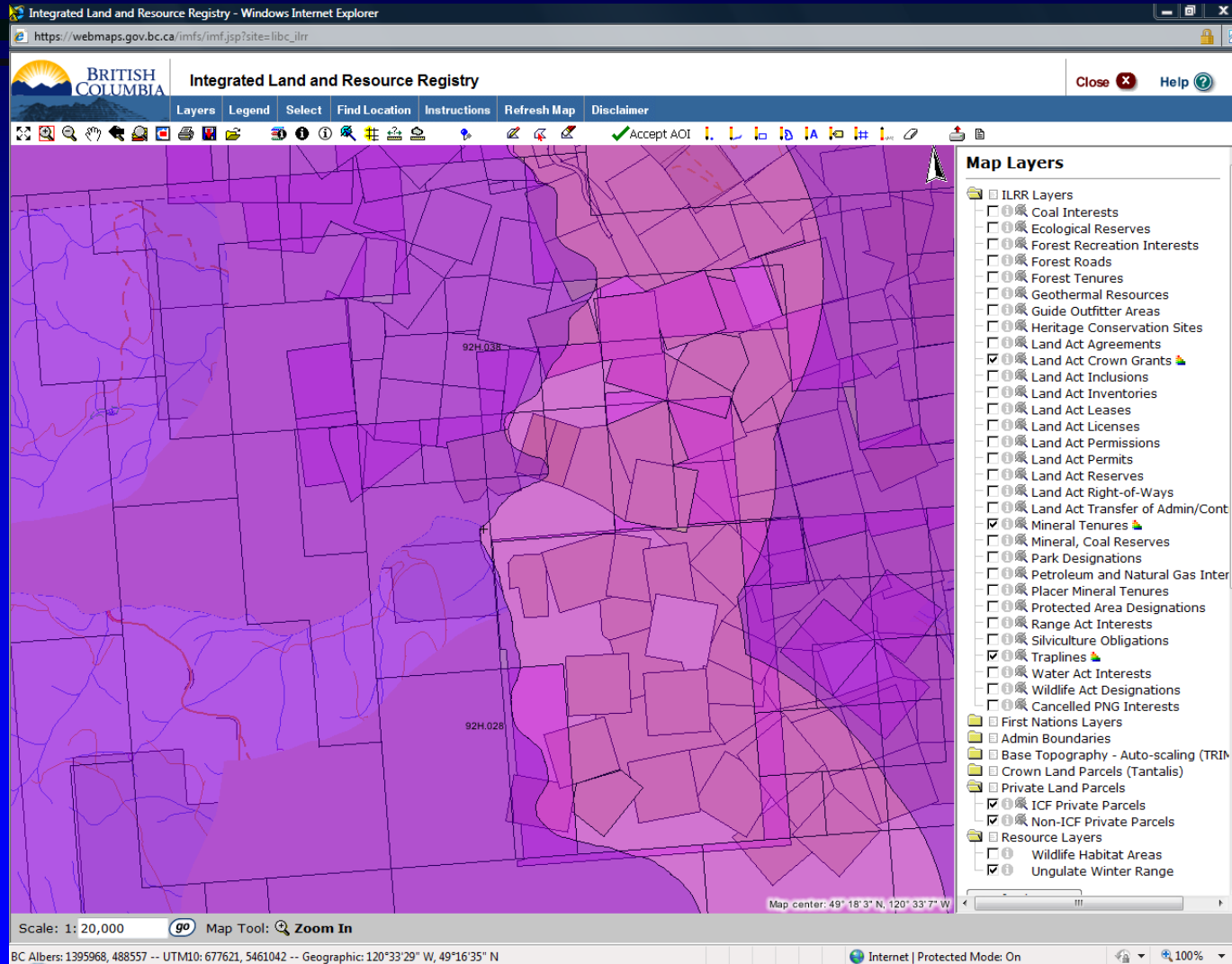
# RESULTS – Encumbrance Checks - Mapview



| Layer        | Category                                                                                                                      |
|--------------|-------------------------------------------------------------------------------------------------------------------------------|
| Silviculture | <ul style="list-style-type: none"> <li>- Opening</li> <li>- Forest Cover Inventory</li> <li>- Forest Cover Reserve</li> </ul> |
| Research     | <ul style="list-style-type: none"> <li>- Experimental Govt</li> <li>- Experimental Pub</li> </ul>                             |
| Other Tenure | <ul style="list-style-type: none"> <li>- ICI Parcel Fabric</li> <li>- Wellsite</li> <li>- Mineral Tenure</li> </ul>           |



# RESULTS – Encumbrance Checks – ILRR



<https://apps.gov.bc.ca/apps/ilrr/html/ILRRWelcome.html>

# RESULTS – Encumbrance Checks - ILRR



| Layer                | Category                                                                                                                               |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| ILRR Layers          | <ul style="list-style-type: none"> <li>- Mineral Tenures</li> <li>- Petroleum and Natural Gas Interest</li> <li>- Traplines</li> </ul> |
| Private Land Parcels | <ul style="list-style-type: none"> <li>- ICF Private Parcels</li> <li>- Non-ICF Private Parcels</li> </ul>                             |
| Resource Layer       | <ul style="list-style-type: none"> <li>- Ungulate Winter Range</li> </ul>                                                              |

## Map Layers

- ☒ ILRR Layers
  - ☐ Coal Interests
  - ☐ Ecological Reserves
  - ☐ Forest Recreation Interests
  - ☐ Forest Roads
  - ☐ Forest Tenures
  - ☐ Geothermal Resources
  - ☐ Guide Outfitter Areas
  - ☐ Heritage Conservation Sites
  - ☐ Land Act Agreements
  - ☒ Land Act Crown Grants
  - ☐ Land Act Inclusions
  - ☐ Land Act Inventories
  - ☐ Land Act Leases
  - ☐ Land Act Licenses
  - ☐ Land Act Permissions
  - ☐ Land Act Permits
  - ☐ Land Act Reserves
  - ☐ Land Act Right-of-Ways
  - ☐ Land Act Transfer of Admin/Cont
  - ☒ Mineral Tenures
  - ☐ Mineral, Coal Reserves
  - ☐ Park Designations
  - ☐ Petroleum and Natural Gas Inter
  - ☐ Placer Mineral Tenures
  - ☐ Protected Area Designations
  - ☐ Range Act Interests
  - ☐ Silviculture Obligations
  - ☒ Traplines
  - ☐ Water Act Interests
  - ☐ Wildlife Act Designations
  - ☐ Cancelled PNG Interests
- ☐ First Nations Layers
- ☐ Admin Boundaries
- ☐ Base Topography - Auto-scaling (TRIM)
- ☐ Crown Land Parcels (Tantalis)
- ☐ Private Land Parcels
  - ☒ ICF Private Parcels
  - ☒ Non-ICF Private Parcels
- ☐ Resource Layers
  - ☒ Wildlife Habitat Areas
  - ☐ Ungulate Winter Range

# RESULTS – Overlapping areas



Procedures allows for overlapping within specific conditions:

Can use “FT-\*” opening category that is free growing (FG-opening status) however:

- only update of activities and forest cover is allowed.
- cannot undeclare milestones
- no amendments are allowed for FT-openings

If overlap is straddles existing openings, may use existing opening (except FT-opening category) but will have to amend to adjust for new and old disturbances.

- If opening is entirely overlapped by new disturbance, send request to APPHELP to retire old underlying opening. Create new one to overlap on top.

# RESULTS – Overlapping areas



Conditions where overlapping is not allowed:

- Must not overlap forest tenured (FT\*) opening categories that are not free growing [status APP or SUB (indicator that there is an amendment pending)].
- Must create new opening boundary up to FT\* opening's boundary to avoid overlap with outstanding legal silviculture obligation opening.
- Currently reviewing issue use of tracking new burns on old pre-existing openings – hard to differentiate between backlog vs. Current categories – will report back