

# ORDER OF THE MINISTER OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS

(section 75.02 (1) of the *Forest Act*)

Ministerial Order Number 75.02 (1) – 20 (Morice TSA)

I, Steve Thomson, Minister of Forests, Lands and Natural Resource Operations, order that:

1. In this Order:

(a) words and phrases have the same meaning as in the *Forest Act*;

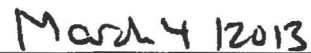
(b) "Schedule" means the schedule attached to this Order;

(c) "AAC partition" means the allowable annual cut attributed to non-pine species by the chief forester under section 8 (5) of the *Forest Act* on February 1, 2008 for the Morice Timber Supply Area.

2. To ensure the attribution specified in the AAC partition is carried out, for the period starting September 30, 2013 and ending September 30, 2015, the limit on the harvested volume under a forest licence listed in column 1 of the Schedule is specified in column 2 of the Schedule opposite that licence.



Steve Thomson  
Minister of Forests, Lands and  
Natural Resource Operations



Date

**SCHEDULE TO ORDER NUMBER 75.02 (1) – 20 (Morice TSA)**

| <b>Column 1<br/>Forest Licence</b> | <b>Column 2<br/>Harvested Volume Limit<br/>(cubic metres of non-pine)</b> |
|------------------------------------|---|
| A16827                             | 299,686   |
| A16828                             | 477,814   |



Ref: 196602

April 8, 2013

Dave Lehane, VP  
West Fraser Mills  
[dave.lehane@westfraser.com](mailto:dave.lehane@westfraser.com)

Tom Lewis  
Canfor  
[Thomas.Lewis@canfor.com](mailto:Thomas.Lewis@canfor.com)

I am writing in response to the issues that you have raised with respect to the Morice Partition Order. I appreciate the commitment that both of your companies have made provincially and locally to adjusting your operations to maximize the use of dead and dying pine in a manner that protects the mid-term timber supply.

The Morice partition was created by the Chief Forester specifically to ensure that our current harvest does not take any more non-pine than is absolutely necessary. It is clear that overharvest of non-pine today will further erode the mid-term timber supply with consequences for your operations and the communities in which you operate. It is also clear that the amount of non-pine harvested in the Morice in the past 12 months is trending to increased non-pine harvest and that action is required.

I appreciate that you have confirmed your intention to plan harvest operations in the Morice in a manner that reduces the impact on the mid-term timber supply, and that you want to have an opportunity to demonstrate a plan that can accomplish that objective without risk of the administrative penalties that a partition might create. Specifically, you have identified legitimate concerns such as the relationship between a partition and your cut control, and how some young pine stands that could be harvested to meet a partition should be left for future harvesting.

I am willing to consider changes to the partition order, or relief from the order, if there is a plan that demonstrates how harvesting will target the highest priority stands, regardless of operating areas, and that the harvest plan achieves the partition requirements to protect the mid-term timber supply.

Our staff will be available to work with you on a plan, which should be completed by May 24, 2013. The Deputy Minister will be able to review the plan and make a decision on any changes to the order during the interregnum.

.../2

The contact for developing a plan for our Ministry will be Eamon O'Donoghue, Regional Executive Director. Eamon can be contacted by email by at [Eamon.ODonoghue@gov.bc.ca](mailto:Eamon.ODonoghue@gov.bc.ca) or by phone at 250 847-7495. I would ask that your leads contact Eamon as quickly as possible to initiate this process.

Sincerely,

A handwritten signature in black ink that reads "Steve Thomson". The signature is fluid and cursive, with a long horizontal line extending from the end.

Steve Thomson  
Minister of Forests, Lands and Natural Resource Operations

pc: Kevin Kriese, Assistant Deputy Minister, Regional Operations North Area


Dave Peterson, Chief Forester

Eamon O'Donoghue, Regional Executive Director, Skeena Region



## Morice TSA Pine Partition Harvest Plan

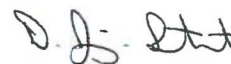
May 10, 2013



Carl vanderMark  
Operations Manager  
Canfor, Houston



Mike Dunbar  
Woodlands Manager  
West Fraser Mills  
Houston Forest Products



Debbie Janning-Stewart  
Timber Sales Manager  
Babine Timber Sales



## **TABLE OF CONTENTS**

|   |    |
|---|----|
| Introduction .....                              | 3  |
| BCTS Plan .....                                 | 5  |
| 1. Partition Harvest Plan.....                  | 5  |
| 2. Partition Harvest Plan Rationale .....       | 9  |
| 3. Unintended Stewardship Impacts .....         | 9  |
| 4. Other considerations.....                    | 9  |
| Canfor Plan.....                                | 10 |
| 1. Partition Harvest Plan.....                  | 10 |
| 2. Partition Harvest Plan Rationale .....       | 19 |
| 3. Unintended Stewardship Impacts .....         | 19 |
| 4. Other considerations.....                    | 20 |
| West Fraser Plan .....                          | 21 |
| 1. Partition Harvest Plan.....                  | 21 |
| Period 4: October 1, 2014 - March 31, 2015..... | 25 |
| 2. Partition Harvest Plan Rationale .....       | 28 |
| Partition Plan Summary Tables .....             | 29 |

## Introduction

The Ministry of Forests, Lands and Natural Resource Operations (MFLNRO) is concerned that the amount of non-pine harvested in the Morice TSA is trending to increased non-pine. On March 4, 2013 the Minister issued a partition order for a two year period effective September 30, 2013. The order is applicable to replaceable license holders and limits the amount of non-pine harvest.

On April 8, 2013, following discussions with representatives from West Fraser and Canadian Forest Products (Canfor), the Minister agreed to consider changing or providing relief from the order, if the licensees were able to produce a plan that demonstrates how harvesting will target the highest priority stands, regardless of operating areas, and that the harvest plan achieves the partition requirements to protect the mid-term timber supply.

On April 11, 2013, further guidance and expectations regarding plan content was provided to licensees and BCTS by the Executive Director, Skeena. The following key expectations/plan content elements were communicated:

- The plan needs to reflect what will be harvested from Sept 30<sup>th</sup> 2013 to Sept 30<sup>th</sup> 2015 and reflect how the partition will be met, by volume and species composition, in each of the four 6 month periods that comprise the plan. In the interim the Ministry expects that licensees will do their best to meet the partition.
- The plan needs to be spatially explicit with all proposed cut blocks identified within the 6 month period in which the proposed block is intended to be harvested.
- Estimates of pine/non pine volumes will be provided by species and volume for each block and summarized for each 6 month period.
- Licensees must report monthly on the progress on each CP relative to the plan and provide a justification for any deviations. Reporting should include both Gross and Net cruise data for all permits and what has been billed in HBS for all cutting permits. This will help determine if the correct stands are being targeted, even where the Net cruise does not meet the 75% pine - 25% non-pine requirement by species and volume in each stand.
- Assessment of adherence with the partition will be based on cruise data supplied by the licensee for each individual cut block for the 6 month periods beginning on Sept 30<sup>th</sup> 2013.
- If it is clear that a plan cannot meet the target of 75% pine - 25% non-pine over a two year period, options should be presented to meet the partition for shorter periods of time 18 months, 16 months or 12 months. This will provide valuable information to FLNRO re timing of the Timber Supply Review.
- Any unintended impact to other stewardship values/goals are identified and quantified to the greatest degree possible.
- Deviation from the plan without written approval from Ministry staff may result in the Ministry seeking reinstatement of the partition order.

- In order to meet the Minister's requirement to have a final plan by May 24<sup>th</sup> a draft plan should be ready for initial review by May 10<sup>th</sup>.

On April 18, 2013, BCTS and licensee representatives met with the District Manager of the Nadina Forest District to discuss plan expectations and seek clarification regarding certain partition plan content elements. Of note, in addition to monitoring Gross and Net Cruise Volume by species during the partition period, the District Manager confirmed that monitoring VRI volume by species is a key element of the plan and will help illustrate efforts taken to manage harvest plans consistent with the partition.

#### **Deviations from the Pine Partition Harvest Plan**

The plan participants propose the following amendment process:

Deviations by a licensee(s) to this pine partition harvest plan that maintain an anticipated pine harvest (VRI) at the end of the partition period greater than 75% can be done without approval from Ministry Staff, though a statement(s) identifying the change(s) in each period update will be required.

Deviations that do not require approval are:

1. The rescheduling of blocks between periods, or
2. Adding new blocks that contain 75% (VRI) or greater pine, or
3. Dropping blocks from the plan that are not pine leading, or
4. Renaming blocks.

Deviations that require approval are:

1. Any changes that result in a drop in the anticipated pine harvest (VRI) for the licensee at the end of the partition period below 75%.

As part of the semi-annual plan review, participants in this plan should review plans to ensure operable areas of dead pine are included in harvest plans and where necessary share operating areas to ensure operable areas of dead pine are included in harvest plans. This is particularly relevant when referencing the later seasons of the plan, where field data related species is only partially available.

The remainder of this document outlines licensee and BCTS specific harvest plans, harvest plan rationales, unintended stewardship impacts and other related considerations.

## BCTS Plan

### 1. Partition Harvest Plan

#### Period 1

##### April 2013 - Sept 2013 Sales Schedule Pre-Harvest info

| Company   | TSL #  | Block # | VRI info |        |        |       | Cruise - Gross |        |        |       | Cruise - Net |        |        |       |
|-----------|--------|---------|----------|--------|--------|-------|----------------|--------|--------|-------|--------------|--------|--------|-------|
|           |        |         | PI       | Sx     | BI     | other | PI             | Sx     | BI     | other | PI           | Sx     | BI     | other |
| BCTS      | A90221 | 1       | 31,137   | 13,259 | 292    |       | 13,758         | 25,468 | 382    |       | 10,390       | 22,798 | 332    |       |
| BCTS      | A88885 | 1       | 35,912   | 10,300 | 13,211 |       | 46,166         | 8,635  | 20,931 |       | 30,244       | 8,114  | 19,173 |       |
| BCTS      | A88887 | 1       | 18,352   | 4,886  | 1      |       | 33,806         | 1,276  | 2,390  |       | 22,021       | 1,216  | 2,244  |       |
| BCTS      | A88894 | 1       | 80,776   | 9,400  | 3,773  |       | 69,445         | 9,317  | 6,888  |       | 47,196       | 8,856  | 6,246  |       |
|           |        |         |          |        |        |       |                |        |        |       |              |        |        |       |
|           |        |         |          |        |        |       |                |        |        |       |              |        |        |       |
| Total     |        |         | 166,177  | 37,845 | 17,277 | 0     | 163,175        | 44,696 | 30,591 | 0     | 109,851      | 40,984 | 27,995 | 0     |
| Species % |        |         | 75.1%    | 17.1%  | 7.8%   | 0.0%  | 68.4%          | 18.7%  | 12.8%  | 0.0%  | 61.4%        | 22.9%  | 15.7%  | 0.0%  |

#### Period 2

##### Oct 2013 - March 2014 Sales Schedule Pre-Harvest info

| Company   | TSL #  | Block # | VRI info |        |       |       | Cruise - Gross |        |        |       | Cruise - Net |        |        |       |
|-----------|--------|---------|----------|--------|-------|-------|----------------|--------|--------|-------|--------------|--------|--------|-------|
|           |        |         | PI       | Sx     | BI    | other | PI             | Sx     | BI     | other | PI           | Sx     | BI     | other |
| BCTS      | A90216 | 1       | 38,600   | 2,315  | 4,336 |       | 48,496         | 4,622  | 11,786 |       | 36,429       | 4,053  | 10,679 |       |
| BCTS      | A90223 | 1       | 25,084   | 3,653  | 65    |       | 32,754         | 6,570  |        |       | 24,503       | 6,389  | 0      |       |
| BCTS      | A86015 | 1       | 79,869   | 5,517  | 0     |       | 52,561         | 9,509  | 0      |       | 40,464       | 9,205  | 0      |       |
| BCTS      | A88886 | 1       | 18,252   | 10,102 | 232   |       | 28,011         | 7,546  | 2,045  |       | 17,811       | 6,898  | 1,808  |       |
|           |        |         |          |        |       |       |                |        |        |       |              |        |        |       |
|           |        |         |          |        |       |       |                |        |        |       |              |        |        |       |
| Total     |        |         | 161,805  | 21,587 | 4,633 | 0     | 161,822        | 28,247 | 13,831 | 0     | 119,207      | 26,545 | 12,487 | 0     |
| Species % |        |         | 86.1%    | 11.5%  | 2.5%  | 0.0%  | 79.4%          | 13.9%  | 6.8%   | 0.0%  | 75.3%        | 16.8%  | 7.9%   | 0.0%  |

**Period 3**

**April 2014 - Sept 2014 Sales Schedule Pre-Harvest Info**

| Company   | TSL #  | Block # | VRI info |        |        |       | Cruise - Gross |        |        |       | Cruise - Net |        |        |       |
|-----------|--------|---------|----------|--------|--------|-------|----------------|--------|--------|-------|--------------|--------|--------|-------|
|           |        |         | PI       | Sx     | BI     | other | PI             | Sx     | BI     | other | PI           | Sx     | BI     | other |
| BCTS      | A90219 | 1       | 5,098    | 7,134  | 3,134  |       | 2,948          | 8,634  | 12,245 |       | 1,944        | 7,379  | 7,968  |       |
| BCTS      | A90220 | 1       | 8,475    | 1,544  | 19     |       | 6,361          | 2,990  | 2,617  |       | 4,092        | 2,559  | 1,889  |       |
| BCTS      | A90943 | 1       | 8,088    | 2,601  | 0      |       | 7,070          | 7,419  | 77     |       | 5,191        | 7,026  | 47     |       |
| BCTS      | A90222 | 1       | 5,218    | 996    | 321    |       | 5,944          | 3,871  | 984    |       | 3,744        | 3,725  | 945    |       |
| BCTS      | A75201 | 1       | 96,458   | 3,880  | 7      |       | 108,272        | 1,706  | 0      |       | 84,218       | 1,627  | 0      |       |
| BCTS      | A86013 | 1       | 17,367   | 1,119  | 0      |       | 22,194         | 0      | 0      |       | 17,087       | 0      | 0      |       |
| BCTS      | A90217 | 1       | 53,042   | 6,597  | 8,769  |       | 63,723         | 6,745  | 37,181 |       | 47,107       | 6,290  | 29,226 |       |
| BCTS      | A90218 | 1       | 7,607    | 2,809  | 733    |       | 3,553          | 5,416  | 3,912  |       | 2,272        | 4,535  | 2,580  |       |
|           |        |         |          |        |        |       |                |        |        |       |              |        |        |       |
|           |        |         |          |        |        |       |                |        |        |       |              |        |        |       |
|           |        |         |          |        |        |       |                |        |        |       |              |        |        |       |
| Total     |        |         | 201,353  | 26,680 | 12,983 | 0     | 220,065        | 36,781 | 57,016 | 0     | 165,655      | 33,141 | 42,655 | 0     |
| Species % |        |         | 83.5%    | 11.1%  | 5.4%   | 0.0%  | 70.1%          | 11.7%  | 18.2%  | 0.0%  | 68.6%        | 13.7%  | 17.7%  | 0.0%  |

Period 4

Oct 2014 - March 2015 Sales Schedule Pre-Harvest info

| Company   | TSL #      | Block # | VRI info |        |        |       | Cruise - Gross |    |    |       | Cruise - Net |    |    |       |
|-----------|------------|---------|----------|--------|--------|-------|----------------|----|----|-------|--------------|----|----|-------|
|           |            |         | PI       | Sx     | BI     | other | PI             | Sx | BI | other | PI           | Sx | BI | other |
| BCTS      | MO_CHIS_36 |         | 11,759   | 2,967  | 300    |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_CHIS_39 |         | 21,655   | 8,817  | 106    |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_CHIS_45 |         | 10,134   | 283    | 0      |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_CHIS_46 |         | 10,495   | 699    | 92     |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_CHIS_8  |         | 22,739   | 4,282  | 1,901  |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_KIVI_3  |         | 26,419   | 1,045  | 0      |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_LAMP_6  |         | 33,097   | 7,476  | 3,096  |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_TAHT_45 |         | 55,189   | 9      | 20,410 |       |                |    |    |       |              |    |    |       |
|           |            |         |          |        |        |       |                |    |    |       |              |    |    |       |
|           |            |         |          |        |        |       |                |    |    |       |              |    |    |       |
|           |            |         |          |        |        |       |                |    |    |       |              |    |    |       |
| Total     |            |         | 191,486  | 25,578 | 25,905 | 0     | 0              | 0  | 0  | 0     | 0            | 0  | 0  | 0     |
| Species % |            |         | 78.8%    | 10.5%  | 10.7%  | 0.0%  | 0              | 0  | 0  | 0     | 0            | 0  | 0  | 0     |

Period 5

April 2015 - Sept 2015 Sales Schedule Pre-Harvest info

| Company   | TSL #      | Block # | VRI info |        |       |       | Cruise - Gross |    |    |       | Cruise - Net |    |    |       |
|-----------|------------|---------|----------|--------|-------|-------|----------------|----|----|-------|--------------|----|----|-------|
|           |            |         | PI       | Sx     | Bl    | other | PI             | Sx | Bl | other | PI           | Sx | Bl | other |
| BCTS      | MO_CHIS_44 |         | 21,348   | 11,083 | 0     |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_KIVI_2  |         | 17,838   | 8,148  | 0     |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_NO_85   |         | 41,997   | 21,408 | 1,603 |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_CHIS_18 |         | 8,761    | 4,598  | 57    |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_CHIS_19 |         | 13,792   | 4,024  | 85    |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_CHIS_43 |         | 6,740    | 3,541  | 44    |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_KIVI_17 |         | 22,353   | 4,378  | 1     |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_KIVI_18 |         | 7,560    | 2,176  | 0     |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_KIVI_19 |         | 9,506    | 1,046  | 0     |       |                |    |    |       |              |    |    |       |
| BCTS      | MO_KIVI_20 |         | 22,762   | 2,066  | 0     |       |                |    |    |       |              |    |    |       |
|           |            |         |          |        |       |       |                |    |    |       |              |    |    |       |
|           |            |         |          |        |       |       |                |    |    |       |              |    |    |       |
|           |            |         |          |        |       |       |                |    |    |       |              |    |    |       |
| Total     |            |         | 172,656  | 62,468 | 1,790 | 0     | 0              | 0  | 0  | 0     | 0            | 0  | 0  | 0     |
| Species % |            |         | 72.9%    | 26.4%  | 0.8%  | 0.0%  | 0              | 0  | 0  | 0     | 0            | 0  | 0  | 0     |



## **2. Partition Harvest Plan Rationale**

BCTS schedules are based on planned block sales not planned harvest (BCTS has no control of when harvesting may occur, or if they will be purchased)

Planned sales for 2013-2014 are relatively firm although blocks may be rearranged between the April, July, Oct and Jan sales date for operational considerations. It is unlikely that further changes would be required other than those due to unforeseen circumstances that may occur.

Planned sales for 2014-2015 as well as 2015-2016 are likely to be much more fluid. TSL's A75201 and A86013 are dependent upon the resolution of issues associated with the Critch Trapline. Additionally, fieldwork (recces) are currently being conducted for 2013 development blocks and changes may occur in the schedule based on the amount of PI found during fieldwork (recces, cruising).

VRI volumes for planned development blocks (2013 and 2014 Dev) are based on the gross block boundary and are not netted down for WTRA's, riparian reserves, etc.

## **3. Unintended Stewardship Impacts**

It is possible to develop and put up for sale, a higher percentage of pine volume than what is currently planned, but this would require the development of blocks with a very high percentage of unattacked green pine (approx 10-20% grey attacked stems, with no signs of red or current attack based on a recent overview flight/recce – McQuarrie, Baboon, Fulton and Southern Tahtsa areas of BCTS op areas). This would likely have the opposite effect of mitigating the impact to the midterm harvest level.

## **4. Other considerations**

There have been commitments made in the past to a stakeholder which prevents BCTS from putting timber sales up in much of the Kivi area until the summer of 2015 despite there being pine leading stands in the area.

A local guide has identified concerns regarding wildlife and connectivity around the (Twinkle Horseshoe Chain). Some of the pine leading blocks identified later in the plan are located in and around these areas. We are currently in the process of working with the guide to try and address the concerns and the development of blocks in this area is dependent on that process.

## Canfor Plan

### 1. Partition Harvest Plan

Period 1: Summer 2013

| CP        | BLOCK    | VRI RI VOL | VRI SX VOL | VRI BL VOL | RI TOTAL VOL | GR GROSS PL VOL | GR GROSS SX VOL | GR BL GR OSS VOL | GR GR SS TOTAL VOL | CR NET PL VOL | CR NET SX VOL | CR NET BL VOL | CR NET T OTAL VOL |
|-----------|----------|------------|------------|------------|--------------|-----------------|-----------------|------------------|--------------------|---------------|---------------|---------------|-------------------|
| 890       | BUCK0120 | 13,352     | 8,705      | ,614       | 25,671       | 15,175          | 9,428           | 4,649            | 29,252             | 10,440        | 7,928         | 3,372         | 21,741            |
| 880       | BUCK0124 | 14,622     | 7,088      | 2,346      | 24,056       | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| 329       | FULT0286 | 3,854      | 1,950      | 1,224      | 7,028        | 3,392           | 2,913           | 2,408            | 8,714              | 2,897         | 2,789         | 2,324         | 8,011             |
| 367       | FULT0306 | 23,024     | 10,370     | 0          | 33,394       | 15,751          | 9,825           | 3,258            | 28,834             | 10,185        | 8,142         | 2,870         | 21,167            |
| 329       | FULT0289 | 23,952     | 8,187      | 5,224      | 37,363       | 28,197          | 26,027          | 6,657            | 60,880             | 24,203        | 24,383        | 5,859         | 54,445            |
| 360       | FULT0338 | 37,109     | 6,273      | 1,052      | 44,434       | 55,805          | 17,705          | 1,104            | 74,614             | 44,864        | 16,891        | 1,057         | 62,751            |
| 364       | FULT0337 | 50,120     | 8,289      | 207        | 58,616       | 84,089          | 18,297          | 1,261            | 103,648            | 68,917        | 17,539        | 1,044         | 87,499            |
| 359       | FULT0304 | 1,201      | 5,212      | 0          | 6,413        | 1,373           | 5,535           | 0                | 6,908              | 953           | 4,653         | 0             | 5,607             |
| 320       | FULT0290 | 4,726      | 4,250      | 965        | 19,941       | 19,361          | 7,427           | 1,080            | 27,868             | 16,715        | 6,764         | 1,007         | 24,487            |
| 299       | HTOM0149 | 2,79       | 857        | 175        | 3,791        | 3,263           | 1,025           | 609              | 4,897              | 1,933         | 868           | 391           | 3,192             |
| 299       | HTOM0141 | 3,389      | 1,074      | 0          | 4,463        | 4,557           | 1,633           | 221              | 6,411              | 2,897         | 1,439         | 158           | 4,491             |
| 299       | HTOM0148 | 3,518      | 2,494      | 0          | 6,012        | 7,638           | 1,514           | 418              | 9,569              | 5,014         | 1,398         | 307           | 6,720             |
| 299       | HTOM0158 | 7,494      | 4,639      | 31         | 12,164       | 11,607          | 7,198           | 1,817            | 20,623             | 7,474         | 5,845         | 1,203         | 14,521            |
| 743       | KIDP0273 | 7,839      | 2,541      | 14,626     | 25,006       | 7,839           | 2,541           | 14,626           | 25,006             | 4,348         | 2,320         | 9,240         | 15,907            |
| June 2012 | KIDP0405 | 39,531     | 2,72       | 491        | 42,714       | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| 819       | KIDP0345 | 3,684      | 633        | 0          | 4,317        | 3,204           | 1,090           | 94               | 4,388              | 1,649         | 768           | 86            | 2,502             |
| 746       | KIDP0132 | 18,847     | 3,200      | 10,828     | 32,875       | 11,218          | 4,372           | 36,727           | 52,317             | 6,849         | 3,522         | 23,185        | 33,000            |
| 813       | KIDP0370 | 25,094     | 6,795      | 9,954      | 41,843       | 25,974          | 3,439           | 39,640           | 69,053             | 15,169        | 2,436         | 24,595        | 42,200            |
| 743       | KIDP0275 | 9,495      | 6,761      | 27,094     | 43,351       | 9,495           | 6,761           | 27,094           | 43,351             | 5,384         | 5,575         | 16,703        | 27,612            |
| 743       | KIDP0278 | 5,363      | 481        | 4,595      | 10,439       | 5,363           | 481             | 4,595            | 10,439             | 3,104         | 392           | 2,989         | 6,435             |
| 817       | KIDP0377 | 14,580     | 2,251      | 8,233      | 25,064       | 9,780           | 8,001           | 23,475           | 41,256             | 5,793         | 6,125         | 15,297        | 27,216            |
| 814       | KIDP0178 | 13,138     | 1,120      | 559        | 14,817       | 15,103          | 4,462           | 4,911            | 24,476             | 9,433         | 4,033         | 3,436         | 16,901            |
| 884       | PARR0110 | 3,488      | 1,190      | 0          | 4,678        | 2,318           | 2,431           | 2,551            | 7,301              | 1,548         | 1,956         | 1,698         | 5,142             |
| 887       | PARR0078 | 2,210      | 1,184      | 0          | 3,394        | 1,903           | 262             | 0                | 2,165              | 1,264         | 247           | 0             | 1,510             |
| 892       | PARR0168 | 9,363      | 3,827      | 829        | 13,519       | 10,073          | 3,293           | 1,137            | 14,503             | 6,994         | 2,826         | 827           | 10,647            |
| 894       | PARR0172 | 703        | 118        | 0          | 821          | 1,092           | 616             | 0                | 1,707              | 708           | 499           | 0             | 1,207             |
| 876       | PARR0001 | 28,468     | 18,584     | 501        | 47,553       | 60,393          | 12,147          | 0                | 72,541             | 42,239        | 11,298        | 0             | 53,536            |
| 893       | PARR0171 | 5,507      | 1,106      | 0          | 6,613        | 6,513           | 2,163           | 92               | 8,767              | 4,804         | 1,787         | 82            | 6,174             |
| 894       | PARR0161 | 12,743     | 5,718      | 0          | 18,461       | 11,700          | 6,508           | 1,672            | 19,880             | 7,558         | 5,160         | 1,850         | 14,068            |
| 892       | PARR0166 | 1,178      | 0          | 0          | 1,178        | 1,405           | 0               | 0                | 1,405              | 936           | 0             | 0             | 936               |
| 894       | PARR0165 | 3,266      | 1,056      | 0          | 4,322        | 2,934           | 1,288           | 167              | 4,389              | 1,930         | 998           | 142           | 3,071             |

| CP  | BLOCK     | VRI_PL_VOL | VRI_SX_VOL | VRI_BL_VOL | VRI_TOTAL_VOL | CR_GROSS_PL_VOL | CR_GROSS_SX_VOL | CR_GROSS_BL_VOL | CR_GROSS_TOTAL_VOL | CR_NET_PL_VOL | CR_NET_SX_VOL | CR_NET_BL_VOL | CR_NET_TOTAL_VOL |
|-----|-----------|------------|------------|------------|---------------|-----------------|-----------------|-----------------|--------------------|---------------|---------------|---------------|------------------|
| 605 | TOCH_002  | 79,670     | 34,213     | 16,894     | 130,777       | 52,570          | 37,765          | 15,359          | 105,694            | 39,384        | 33,385        | 10,426        | 83,195           |
| 698 | TOCH0019  | 19,950     | 12,980     | 6,650      | 39,580        | 19,468          | 19,347          | 10,736          | 49,551             | 13,432        | 16,613        | 7,093         | 37,137           |
| 698 | TOCH0016  | 24,649     | 9,795      | 2,943      | 37,387        | 22,796          | 7,112           | 7,244           | 37,151             | 15,665        | 6,301         | 4,821         | 26,787           |
| 646 | TOCH0491  | 15,338     | 1,194      | 0          | 16,532        | 0               | 0               | 0               | 0                  | 0             | 0             | 0             | 0                |
| 696 | TOCH0289  | 32,276     | 5,535      | 0          | 38,811        | 40,633          | 10,556          | 556             | 51,745             | 32,156        | 9,760         | 419           | 42,335           |
| 694 | TOCH0501  | 799        | 461        | 0          | 1,260         | 874             | 371             | 0               | 1,244              | 581           | 294           | 0             | 875              |
|     | Total     | 576099     | 193883     | 118476     | 888458        | 538538          | 221368          | 203844          | 963750             | 392838        | 196012        | 133253        | 722103           |
|     | Species % | 65%        | 22%        | 13%        |               | 56%             | 23%             | 21%             |                    | 54%           | 27%           | 18%           |                  |

Period 2: Winter 2014

| CP          | BLOCK     | VRI PL VOL | VRI SX VOL | VRI BL VOL | VRI TOTAL VOL | CR GROSS PL VOL | CR GROSS SX VOL | CR BL GR OSS VOL | CR GROSS TOTAL VOL | CR NET PL VOL | CR NET SX VOL | CR NET BL VOL | CR NET TOTAL VOL |
|-------------|-----------|------------|------------|------------|---------------|-----------------|-----------------|------------------|--------------------|---------------|---------------|---------------|------------------|
| 361         | FULT0314  | 7,963      | 6,409      | 7,066      | 21,438        | 11,843          | 6,608           | 16,598           | 35,049             | 9,430         | 5,905         | 12,241        | 27,546           |
| Oct_2012_pp | HTOM0164  | 15,563     | 1,956      | 0          | 17,519        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| feb_2013    | TOCH0525  | 7,737      | 1,963      | 58         | 9,758         | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| TOCH        | TOCH0181  | 6,972      | 703        | 0          | 7,675         | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| feb_2013    | TAHT0149  | 1,677      | 0          | 0          | 1,677         | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| TOCH        | TOCH0153  | 7,540      | 2,265      | 1,820      | 11,625        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| feb_2013    | HTOM0172  | 11,039     | 3,787      | 77         | 14,903        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| 644         | TOCH0262  | 14,317     | 2,903      | 0          | 17,220        | 12,573          | 6,187           | 765              | 19,525             | 9,287         | 5,268         | 400           | 14,955           |
| feb_2013    | HTOM0171  | 14,100     | 1,070      | 0          | 15,170        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| Oct_2012_pp | HTOM0168  | 10,443     | 1,338      | 4          | 11,786        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| june_2012   | PARR0182  | 4,850      | 1,609      | 118        | 6,577         | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| 887         | PARR0127  | 11,733     | 2,495      | 0          | 14,228        | 9,766           | 3,695           | 0                | 13,461             | 6,589         | 3,118         | 0             | 9,774            |
| june_2012   | KIDP0406  | 20,393     | 2,001      | 1,505      | 23,899        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| feb_2013    | TAHT0094  | 5,408      | 0          | 328        | 5,731         | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| feb_2013    | KIDP0427  | 17,563     | 0          | 0          | 17,563        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| june_2012   | KIDP0402  | 35,571     | 1,717      | 1,250      | 38,538        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| Oct_2012_pp | HTOM0169  | 6,140      | 2,159      | 100        | 8,399         | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| june_2012   | PARR0191  | 9,289      | 2,900      | 0          | 11,589        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| 895         | PARR0202  | 2,661      | 1,619      | 0          | 4,180         | 2,928           | 1,354           | 0                | 4,282              | 1,919         | 1,221         | 0             | 3,140            |
| 677         | NOBA_020  | 6,749      | 3,131      | 1,573      | 11,453        | 13,258          | 9,987           | 4,927            | 28,172             | 9,091         | 8,438         | 3,614         | 21,143           |
| 887         | PARR0128  | 6,822      | 2,810      | 0          | 9,632         | 3,832           | 1,192           | 0                | 5,024              | 2,339         | 1,066         | 0             | 3,406            |
| feb_2013    | TAHT0150  | 604        | 0          | 0          | 604           | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| 895         | PARR0103  | 23,687     | 5,411      | 151        | 29,249        | 9,318           | 1,519           | 0                | 10,838             | 6,345         | 1,305         | 0             | 7,650            |
| feb_2013    | KIDP0431  | 9,913      | 0          | 858        | 10,771        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| june_2012   | PARR0183  | 12,423     | 2,075      | 4          | 14,502        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| FULT        | FULT0321  | 51,987     | 26,743     | 4,083      | 82,813        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| feb_2013    | TAHT0114  | 12,018     | 446        | 0          | 12,459        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| 887         | PARREE053 | 3,087      | 929        | 0          | 4,016         | 3,831           | 493             | 0                | 4,324              | 2,505         | 442           | 0             | 2,947            |
| 645         | TOCH0496  | 9,974      | 4,352      | 0          | 14,326        | 16,396          | 6,534           | 1,932            | 24,861             | 11,283        | 5,621         | 1,223         | 18,127           |
| 616         | TOCH0274  | 13,778     | 6,965      | 659        | 21,400        | 22,601          | 9,580           | 5,298            | 37,479             | 15,588        | 8,352         | 3,253         | 27,194           |
| 293         | VALL0015  | 14,024     | 3,354      | 1,901      | 19,679        | 9,549           | 1,555           | 1,066            | 12,170             | 7,107         | 1,381         | 789           | 9,278            |
| 603         | TOCH0298  | 15,087     | 1,705      | 0          | 16,792        | 18,037          | 1,786           | 411              | 20,234             | 14,502        | 1,547         | 368           | 16,417           |
| feb_2013    | TAHT0146  | 910        | 46         | 0          | 926           | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| june_2012   | PARR0197  | 8,155      | 3,702      | 161        | 12,018        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| 877         | PARR0076  | 10,592     | 987        | 0          | 11,579        | 22,894          | 601             | 0                | 23,495             | 16,432        | 523           | 0             | 16,955           |
| june_2012   | PARR0184  | 5,611      | 5,648      | 1,029      | 12,288        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |

| CP                 | BLOCK     | VRI PL VOL<br>L | VRI SX VOL<br>L | VRI BL VOL<br>L | VRI TOTAL<br>VOL | CR GROSS<br>PL VOL | CR GROSS<br>SX VOL | CR B GR<br>OSS VOL | CR GROSS<br>TOTAL VOL | CR NET PL<br>VOL | CR NET SX<br>VOL | CR NET BL<br>VOL | CR NET T<br>OTAL VOL |
|--------------------|-----------|-----------------|-----------------|-----------------|------------------|--------------------|--------------------|--------------------|-----------------------|------------------|------------------|------------------|----------------------|
| feb_2013           | TOPL0158  | 46,977          | 4,317           | 891             | 52,185           | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| feb_2013           | TAHT0152  | 268             | 18              | 2               | 2,288            | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| feb_2013           | HTOM0174  | 22,287          | 10,860          | 0               | 32,647           | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| n_babline_20<br>12 | NOBA0150  | 9,083           | 2,195           | 1,827           | 13,055           | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| feb_2013           | KIDP0426  | 15,632          | 2,106           | 418             | 18,156           | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| june_2013          | TOCH0553  | 18,623          | 3,189           | 4,575           | 26,387           | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| feb_2013           | TAHT0151  | 4,077           | 438             | 0               | 4,515            | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| feb_2013           | TAHT0128  | 3,018           | 70              | 0               | 3,088            | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| 622                | TOCH0497  | 14,605          | 6,980           | 778             | 22,363           | 14,667             | 4,835              | 1,369              | 20,871                | 12,229           | 4,535            | 1,295            | 18,059               |
| feb_2013           | TAHT0126  | 3,342           | 0               | 0               | 3,342            | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| feb_2013           | TAHT0115  | 3,621           | 52              | 171             | 3,844            | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| feb_2013           | TAHT0135  | 3,793           | 0               | 0               | 3,793            | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| 887                | PARREE054 | 9,478           | 1,656           | 0               | 11,134           | 5,398              | 2,527              | 0                  | 7,925                 | 3,714            | 2,206            | 0                | 5,920                |
| feb_2013           | TOPL0159  | 10,107          | 1,175           | 631             | 11,913           | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| TOCH               | TOCH0235  | 27,768          | 3,297           | 0               | 31,065           | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| 361                | FULT0317  | 2,212           | 544             | 213             | 2,969            | 2,940              | 1,100              | 267                | 4,307                 | 1,855            | 968              | 289              | 3,077                |
| june_2012          | PARR0190  | 20,061          | 8,662           | 364             | 29,087           | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| 603                | TOCH0266  | 19,144          | 4,708           | 1,098           | 24,950           | 20,814             | 8,704              | 601                | 30,119                | 16,064           | 7,658            | 458              | 24,180               |
| feb_2013           | TAHT0127  | 6,972           | 0               | 0               | 6,972            | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
| 366                | FULT0312  | 20,605          | 5,418           | 140             | 26,163           | 22,058             | 4,588              | 532                | 27,178                | 18,985           | 4,324            | 512              | 23,821               |
| feb_2013           | TOCH0524  | 24,307          | 1,156           | 208             | 25,671           | 28,437             | 4,033              | 2,489              | 34,958                | 23,459           | 3,747            | 2,077            | 29,283               |
| feb_2013           | TOCH0543  | 17,369          | 2,985           | 558             | 20,912           | 0                  | 0                  | 0                  | 0                     | 0                | 0                | 0                | 0                    |
|                    | Total     | 716968          | 163889          | 34609           | 915466           | 239298             | 70270              | 19656              | 329224                | 179288           | 61785            | 14249            | 255323               |
|                    | Species % | 78%             | 18%             | 4%              |                  | 73%                | 21%                | 6%                 |                       | 70%              | 24%              | 6%               |                      |



Period 3: Summer 2014

| GP          | B_OCK      | VRI_PL_VO | VRI_SX_O | VRI_B_VO | TOTAL  | CR_GROSS | C_GROSS | CR_BL_GR | CR_GROSS  | CR_NET_PL | CR_NET_SX | CR_NET_BL | CR_NET |
|-------------|------------|-----------|----------|----------|--------|----------|---------|----------|-----------|-----------|-----------|-----------|--------|
|             |            | L         | L        | L        | VOL    | PL_VOL   | SX_VOL  | OSS_VOL  | TOTAL_VOL | VOL       | VOL       | VOL       | O_VOL  |
| june_2012   | VALL0083   | 2,072     | 283      | 3        | 2,448  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| Oct_2012_pp | TOPL0143   | 8,694     | 751      | 0        | 9,445  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| Oct_2012_pp | TOPL0137   | 4,60      | 605      | 1        | 4,966  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | TAHT0116   | 6,395     | 1,425    | 728      | 8,548  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | TAHT0142   | 1,260     | 147      | 38       | 1,445  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| Oct_2012_pp | TAHT0108   | 2,250     | 1,484    | 0        | 3,734  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| Oct_2012_pp | TAHT0103   | 8,099     | 1,217    | 0        | 9,316  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | TAHT0123   | 1,689     | 1,442    | 0        | 3,131  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | HTOMEEE008 | 3,489     | 1,856    | 0        | 5,345  | 8,417    | 2,085   | 0        | 10,502    | 6,835     | 1,896     | 0         | 8,231  |
| feb_2013    | TAHT0138   | 1,100     | 264      | 37       | 1,401  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | TAHT0141   | 81        | 183      | 0        | 1,996  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | TAHT0092   | 3,237     | 480      | 1        | 4,829  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| Oct_2012_pp | TOPL0135   | 6,544     | 1,351    | 0        | 7,895  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| Oct_2012_pp | HTOM0166   | 8,628     | 246      | 0        | 8,87   | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| Oct_2012_pp | HTOM0165   | 2,014     | 495      | 98       | 2,608  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| 365         | FULT0339   | 39,870    | 1,971    | 214      | 42,055 | 65,924   | 6,683   | 695      | 73,302    | 53,961    | 6,491     | 633       | 61,085 |
| Oct_2012_pp | TOCH0516   | 9,951     | 7,780    | 0        | 17,731 | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| Oct_2012_pp | TOPL0138   | 22,796    | 4,336    | 475      | 27,667 | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| june_2012   | VALL0084   | 35,538    | 4,262    | 302      | 40,102 | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| june_2013   | TOCH0552   | 5,265     | 929      | 0        | 6,194  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | HTOM0178   | 4,908     | 486      | 378      | 5,272  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | TAHT0124   | 1,468     | 365      | 82       | 1,915  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| june_2012   | KIDP0404   | 46,135    | 2,745    | 5,115    | 53,995 | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | TAHT0137   | 3,554     | 329      | 0        | 3,883  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | TAHT0125   | 2,824     | 233      | 0        | 3,057  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| 880         | BUCK0123   | 5,399     | 473      | 379      | 6,251  | 6,137    | 2,135   | 556      | 8,828     | 3,887     | 1,948     | 405       | 6,299  |
| Oct_2012_pp | TOPL0134   | 11,286    | 9,166    | 0        | 14,432 | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| Oct_2012_pp | TOCH0512   | 31,106    | 14,228   | 3,187    | 48,521 | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | HTOM0177   | 3,943     | 1,124    | 0        | 5,067  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | TAHT0122   | 1,683     | 460      | 14       | 2,157  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| feb_2013    | HTOM0175   | 25,929    | 4,951    | 0        | 30,890 | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| Oct_2012_pp | GSNL0145   | 8,838     | 64       | 0        | 8,902  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| june_2012   | FULT0336   | 5,142     | 439      | 9        | 5,690  | 5,887    | 1,948   | 239      | 8,074     | 4,814     | 1,851     | 231       | 6,896  |
| Oct_2012_pp | TOPL0166   | 1,578     | 923      | 8        | 2,509  | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| Oct_2012_pp | TOCH0513   | 48,045    | 12,289   | 271      | 63,605 | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |
| june_2012   | KIDP0407   | 56,553    | 14,482   | 5,519    | 76,554 | 0        | 0       | 0        | 0         | 0         | 0         | 0         | 0      |

| CP          | BLOGK     | VRI_PL_VO | VRI_SX_VO | VRI_BL_VO | VRI_TOTAL_VO | GR_GROSS_PL_VOL | GR_GROSS_SX_VOL | GR_BL_GR_OSS_VOL | GR_GROSS_TOTAL_VOL | GR_NET_PL_VOL | GR_NET_SX_VOL | GR_NET_BL_VOL | GR_NET_TOTAL_VOL |
|-------------|-----------|-----------|-----------|-----------|--------------|-----------------|-----------------|------------------|--------------------|---------------|---------------|---------------|------------------|
| feb_2013    | TAHT0093  | 6,912     | 895       | 0         | 7,807        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| Oct_2012_pp | TOPL0139  | 4,654     | 2,474     | 176       | 7,304        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| feb_2013    | TAHT0140  | 2,466     | 281       | 1         | 2,748        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| 364         | FULT0342  | 4,931     | 1,092     | 0         | 6,023        | 4,620           | 1,947           | 463              | 7,030              | 3,581         | 1,889         | 490           | 5,960            |
| feb_2013    | TAHT0132  | 13,63     | 276       | 0         | 14,039       | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| feb_2013    | TOPL0162  | 30,445    | 20,455    | 9,458     | 60,358       | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| Oct_2012_pp | TOCH0515  | 1,266     | 160       | 2         | 1,428        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| june_2013   | TOCH0556  | 4,387     | 2,917     | 40        | 7,344        | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| Oct_2012_pp | GSNL0146  | 43,055    | 9,099     | 812       | 46,966       | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
| june_2012   | VALL0088  | 22,472    | 6,005     | 5,866     | 34,143       | 0               | 0               | 0                | 0                  | 0             | 0             | 0             | 0                |
|             | Total     | 567246    | 125899    | 37215     | 730360       | 90986           | 14798           | 1953             | 107737             | 72577         | 14075         | 1699          | 88351            |
|             | Species % | 78%       | 17%       | 5%        |              | 84%             | 14%             | 2%               |                    | 82%           | 16%           | 2%            |                  |

Period 4: Winter 2015

| CP                | BLOCK      | VRI_PL_VO<br>L | I_SX_VO<br>L | VRI_BL_VO<br>L | VRI_T TAL<br>VOL | CR_GROSS<br>PL_VOL | CR_GROSS<br>SX_VOL | CR_BL_GR<br>OSS_VOL | CR_GROSS<br>TOTAL_VOL | NET_PL<br>VOL | CR_NET_SX<br>VOL | CR_NET_BL<br>VOL | CR_NET_T<br>OTAL_VOL |
|-------------------|------------|----------------|--------------|----------------|------------------|--------------------|--------------------|---------------------|-----------------------|---------------|------------------|------------------|----------------------|
| n_babine_20<br>12 | NOBA0159   | 25,254         | 8,132        | 1,527          | 34,913           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| feb_2013          | GSNL0150   | 14,749         | 51           | 1,009          | 12,809           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| feb_2013          | NADI0017   | 27,381         | 8,920        | 323            | 36,624           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| june_2012         | BUCK0200   | 1,548          | 41           | 0              | 1,589            | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| Oct_2012_pp       | HTOM0160   | 54,592         | 8,547        | 0              | 63,139           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| june_2012         | PARR0192   | 1,450          | 520          | 0              | 1,970            | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| 888               | BUCK0133   | 1,752          | 1,042        | 274            | 3,068            | 2,628              | 865                | 747                 | 4,239                 | 1,619         | 790              | 570              | 2,979                |
| feb_2013          | FULT0454   | 16,972         | 2,879        | 7              | 19,858           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| 293               | VALL0079   | 26,154         | 9,796        | 1,506          | 37,456           | 26,142             | 4,507              | 2,452               | 33,100                | 19,187        | 3,613            | 1,747            | 24,546               |
| Oct_2012_pp       | TOPL0151   | 6,689          | 3,852        | 10,647         | 21,188           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| Oct_2012_pp       | GSNL0144   | 7,276          | 2,351        | 606            | 10,233           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| Oct_2012_pp       | TOPL0152   | 24,132         | 11,202       | 9,261          | 44,595           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| Oct_2012_pp       | KIDP0414   | 26,1           | 2,793        | 6,132          | 35,097           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| 891               | BUCKEEE009 | 5,363          | 551          | 10             | 5,924            | 3,367              | 1,765              | 1,047               | 6,179                 | 2,179         | 1,541            | 631              | 4,350                |
| feb_2013          | KIDP0419   | 1,325          | 869          | 179            | 2,373            | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| 891               | BUCK0135   | 1,378          | 555          | 38             | 1,971            | 582                | 235                | 79                  | 896                   | 394           | 221              | 64               | 679                  |
| n_babine_20<br>12 | NOBA0161   | 11,187         | 3,235        | 569            | 14,991           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| june_2012         | FULT0343   | 6,471          | 1,684        | 2              | 8,15             | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| n_babine_20<br>12 | NOBA0158   | 28,263         | 6,499        | 573            | 35,335           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| june_2012         | PARR0181   | 16,968         | 4,230        | 62             | 21,255           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| n_babine_20<br>12 | TOCH0492   | 82,882         | 23,901       | 5,158          | 111,941          | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| 360               | FULT0340   | 12,870         | 4,244        | 735            | 17,849           | 18,441             | 9,592              | 513                 | 28,546                | 15,780        | 9,094            | 492              | 25,366               |
| june_2012         | PARR0177   | 29,840         | 8,884        | 0              | 38,674           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| june_2012         | PARR0176   | 52,057         | 5,346        | 3              | 57,406           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| Oct_2012_pp       | GSNL0139   | 3,508          | 0            | 1,979          | 5,487            | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| n_babine_20<br>12 | TOCH0503   | 9,614          | 4,022        | 89             | 13,725           | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| BUCK              | BUCK0059   | 16,429         | 10,725       | 2,753          | 29,907           | 24,867             | 8,271              | 7,758               | 40,896                | 16,288        | 6,860            | 6,039            | 29,187               |
| n_babine_20<br>12 | NOBA0164   | 268            | 28           | 23             | 319              | 0                  | 0                  | 0                   | 0                     | 0             | 0                | 0                | 0                    |
| 363               | FULT0309   | 8,178          | 2,631        | 1,949          | 12,758           | 3,069              | 6,880              | 2,480               | 12,429                | 2,346         | 6,237            | 1,993            | 10,576               |
| 293               | VALL0078   | 19,963         | 1,162        | 381            | 21,506           | 15,710             | 3,568              | 2,448               | 21,726                | 11,371        | 2,799            | 1,731            | 15,901               |



| CP        | BLOCK     | VRI PL VO | VRI SX VO | VRI L VO | V I TOTAL<br>VO | CR GROSS<br>PL VOL | CR GROSS<br>VOL | CR BL GR<br>OSS VOL | R_GROSS<br>OTAL VOL | CR ET PL<br>VO | CR_N _ X<br>VOL | CR NET BL<br>VOL | CR NET T<br>OTAL VOL |
|-----------|-----------|-----------|-----------|----------|-----------------|--------------------|-----------------|---------------------|---------------------|----------------|-----------------|------------------|----------------------|
| VALL      | VALL0004  | 37,038    | 9,868     | 2,386    | 49,292          | 0                  | 0               | 0                   | 0                   | 0              | 0               | 0                | 0                    |
| feb_2013  | FULT0351  | 12,228    | 4,916     | ,254     | 18,408          | 0                  | 0               | 0                   | 0                   | 0              | 0               | 0                | 0                    |
| june_2012 | FULT0345  | 9,476     | 2,965     | 11       | 12,452          | 0                  | 0               | 0                   | 0                   | 0              | 0               | 0                | 0                    |
|           | Total     | 596422    | 156391    | 49456    | 802269          | 94806              | 35683           | 17524               | 148013              | 69163          | 31154           | 13267            | 113584               |
|           | Species % | 74%       | 19%       | 6%       |                 | 64%                | 24%             | 12%                 |                     | 61%            | 27%             | 12%              |                      |

Period 5: Summer 2015

| CP          | BLOCK     | VRIBL VOL | ISX VO | VRIBL VO | VRITOTAL VOL | GRGROSS PL VOL | GR_GROSS SX VOL | GR BL GR OSS VOL | GR_GROSS TOTAL VOL | GR NET PL VOL | CR NET SX VOL | CR NET BL VOL | CR NET T OTAL VOL |
|-------------|-----------|-----------|--------|----------|--------------|----------------|-----------------|------------------|--------------------|---------------|---------------|---------------|-------------------|
| june_2013   | HTOM0179  | 27,568    | 3,442  | 76       | 31,086       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| june_2012   | KIDP0411  | 8,992     | 3,655  | 7,542    | 20,189       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Oct_2012_pp | VALL0104  | 7,310     | 1,518  | 2        | 8,830        | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Oct_2012_pp | TOPL0147  | 8,198     | 2,185  | 0        | 10,383       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Oct_2012_pp | TOPL0145  | 14,776    | 1,214  | 0        | 15,990       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| june_2012   | KIDP0401  | 44,686    | 8,045  | 1,362    | 54,093       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Oct_2012_pp | GSNL0137  | 18,913    | 1,062  | 6,266    | 26,241       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| 955         | HTOM0155  | 33,5924   | 1,756  | 0        | 7,680        | 3,898          | 4,212           | 2,524            | 10,634             | 2,377         | 3,598         | 1,788         | 7,710             |
| feb_2013    | KIDP0424  | 677       | 142    | 0        | 819          | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| feb_2013    | KIDP0417  | 4,160     | 622    | 52       | 4,834        | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Oct_2012_pp | TOPL0171  | 1,870     | 148    | 119      | 2,137        | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Oct_2012_pp | HTOM0159  | 12,243    | 2,288  | 0        | 14,481       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| june_2012   | VALL0085  | 17,220    | 5,049  | 898      | 22,607       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Oct_2012_pp | KIDP0413  | 12,663    | 2,323  | 1,481    | 16,467       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| feb_2013    | KIDP0429  | 16,119    | 0      | 661      | 16,780       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Oct_2012_pp | TOCH0510  | 22,316    | 16,151 | 13,362   | 51,829       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| june_2012   | VALL0089  | 8,607     | 3,090  | 485      | 12,182       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| 320         | FULT0287  | 13,249    | 4,683  | 3,322    | 21,254       | 15,725         | 9,621           | 3,027            | 28,374             | 13,421        | 8,741         | 2,517         | 24,679            |
| Oct_2012_pp | TOPL0136  | 26,906    | 8,428  | 0        | 35,384       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Oct_2012_pp | TOPL0146  | 2,341     | 447    | 0        | 2,788        | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| feb_2013    | KIDP0422  | 13,263    | 1,660  | 498      | 15,421       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| feb_2013    | TOCH0542  | 16,615    | 1,727  | 526      | 18,868       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Oct_2012_pp | TOPL0153  | 34,109    | 5,847  | 3,811    | 43,767       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| feb_2013    | TOPL0167  | 15,076    | 1,742  | 0        | 16,818       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| feb_2013    | TOCH0538  | 13,000    | 1,758  | 0        | 14,758       | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| feb_2013    | KIDP0423  | 818       | 24     | 0        | 842          | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Oct_2012_pp | HTOM0162B | 3,129     | 222    | 0        | 3,401        | 0              | 0               | 0                | 0                  | 0             | 0             | 0             | 0                 |
| Total       |           | 370798    | 79178  | 39903    | 489879       | 19624          | 13833           | 5551             | 39008              | 15798         | 12339         | 4255          | 32393             |
| Species %   |           | 76%       | 16%    | 8%       |              | 50%            | 35%             | 14%              |                    | 49%           | 38%           | 13%           |                   |

## **2. Partition Harvest Plan Rationale**

The partition order period (September 30, 2013 to September 30, 2015) substantially coincides with Canfor's Winter 2014, Summer 2014, Winter 2015 and Summer 2015 harvest seasons. These periods are out of sync by approximately 2 weeks as the summer harvest season typically ends in mid October. Winter deliveries commence in early November after freeze up. For planning and performance monitoring purposes it is not practical to include the planned October 2013 deliveries as part of the partition plan.

Guided by the VRI, Canfor has developed a harvest plan designed to achieve the intent of the partition during the period associated with the ministerial order.

Based on the VRI, the pine % is expected to meet or exceed 75% in all four partition periods (rounded up winter 2014).

Comparing VRI to gross cruise volume, we have typically experienced a 10-15% fall down in pine %. Based on this trend, we expect the proportion of pine based on the gross cruise to be approximately 70% at the beginning of the pine partition, dropping to approximately 65% by the end of the partition period.

Having done extensive recce's this past fall and winter, we are reasonably confident in our projections for W2014, however uncertainty increases further into the plan. Changes to the plan are expected and will follow the deviation process described in the introduction.

There are few opportunities to adjust Canfor's Summer 2013 harvest plan. Field work associated with this summer's harvest plan was largely completed last summer and fall with permit applications and touch ups done over the winter. In addition, roughly 20% of this year's summer deliveries are already felled and partially processed as part of our Spring deck program. Nonetheless we will explore opportunities this summer to increase harvest levels in dead pine and increase the overall pine harvest % as new permits become available taking into account the overall planned pine harvest percentage over the next 5 seasons.

## **3. Unintended Stewardship Impacts**

A significant portion of the remaining available dead pine within Canfor's operating areas is located in pure pine and pine leading stands adjacent to the Morice River between the outlet of Morice Lake and the Morice West FSR bridge at 67km.

Non-legal implementation direction provided through the Morice LRMP recommends small patch or single tree management within 1 km of the Morice River flood plain and high biodiversity emphasis and 70% mature plus old seral stage distribution targets. Due to partition constraints and the single storied nature and scale of the dead stands it is not practicable to use small patch or single tree management to address the attacked stands. For internal purposes, Canfor has designed a connectivity corridor along the upper Morice River and Gosnell Creek, partially as a means of addressing the high biodiversity emphasis expectations and secondarily to provide a spatial component of our landscape level retention strategy. Despite these efforts, targeting these stands to achieve the legal partition will compromise our ability to achieve the non-legal seral targets in the upper Morice.

Mountain Pine Beetle attack levels North of highway 16 are far less severe than in the Southern part of the TSA. Where possible, Canfor has been deferring harvest plans in areas where attack levels are low, generally less than 30% attack (ie. Nakinilerak Lake, portions of the Fulton and Topley operating areas, etc), however complete avoidance of greener stand types is not possible.

#### 4. Other considerations

The list of blocks contained in Canfor's partition plan will be attributable to FL A16828 or FL A90555 (LAJ). The plan contains blocks Canfor intends to harvest under the above licenses during the term of the partition. In order to achieve STI volume objectives and for appraisal management purposes, Canfor will be submitting blocks planned for harvest beyond the partition period along with blocks in the plan as multi-block cutting permit submissions.

As part of this partition plan, Canfor intends to harvest approximately 250,000 m3 out of the Valley operating area adjacent to the Redtop injunction area and another 250,000 m3 out of the operating area past the Morice River crossing on the Morice West FSR (Gosnell operating area). We are very concerned about uncertainties associated with First Nations consultation in these areas and particularly the hands off approach take by MFLNRO in the Gosnell.

Nominal additional volume has been included in the plan to provide contingencies and address minor changes, however major delays in permit issuance particularly in the Gosnell or Valley will impact Canfor's ability to achieve the partition requiring us to redirect harvest to lower priority stands and/or new operating areas.

Through contract, Canfor manages a ferry operation that transports logs from the East side of Babine to the mill at Houston. In order to rationalize ongoing costs and maintain a qualified workforce, approximately 33% of Canfor's annual log deliveries originate from stands on the East side of Babine Lake. To manage the partition, Canfor will continue to target BCTS sales in the Baptiste, deliver volume from our operating areas in the Prince George TSA (FLA40873) and will round out our volume requirements with log deliveries from our Morice License.

Generally speaking, the highest % pine stands are in Canfor's operating areas to the south and west of Babine Lake. Pure pine and pine leading stands are somewhat limited in distribution on the East side of Babine Lake. Stands on the East side of Babine Lake have less pine mortality than stands in the Southern portion of the TSA. The partition plan attempts to target stands in the East Babine with significant beetle attack and the highest percent pine based on the VRI.

## West Fraser Plan

Houston Forest Products' plan covers 5 periods. The periods roughly correspond to summer and winter season operations with Period 1 being Summer 2013 and Period 2 being Winter 2013-14, etc.

### 1. Partition Harvest Plan

Period 1: June 1 - September 30, 2013

| Cutting Permit #   | Block # | VRI Info |        |        |       | Cruise - Gross |        |        |       | Cruise - Net |        |        |       |
|--------------------|---------|----------|--------|--------|-------|----------------|--------|--------|-------|--------------|--------|--------|-------|
|                    |         | PI       | Sx     | BI     | other | PI             | Sx     | BI     | other | PI           | Sx     | BI     | other |
| 162                | 1       | 6,787    | 3,080  | 703    | -     | 1,095          | -      | -      | -     | 922          | -      | -      | -     |
| 162                | 3       | 4,810    | 7      | -      | -     | 863            | 2,613  | 565    | -     | 630          | 2,349  | 440    | -     |
| 162                | 2       | 6,062    | 3,258  | 1,424  | -     | 2,715          | 4,438  | 4,418  | -     | 1,792        | 3,787  | 3,008  | -     |
| 163                | 1       | 15,172   | 4,866  | 5,965  | -     | 21,421         | 3,955  | 13,789 | -     | 13,536       | 3,286  | 8,189  | -     |
| 174                | 1       | 38,169   | 5,738  | 894    | -     | 50,425         | 8,111  | 5,971  | -     | 36,882       | 7,500  | 5,606  | -     |
| 174                | 2       | 36,462   | 2,467  | 528    | -     | 30,165         | 6,979  | 3,261  | -     | 22,382       | 6,077  | 2,633  | -     |
| 175                | 1       | 22,686   | 2,681  | 1,422  | -     | 25,754         | 2,282  | 2,479  | -     | 18,904       | 2,158  | 2,216  | -     |
| 178                | 2       | 31,631   | 922    | 1,078  | -     | 38,032         | 1,817  | 4,376  | -     | 30,948       | 1,619  | 3,152  | -     |
| 184                | 1       | 24,216   | 2,951  | 1,814  | -     | 19,337         | 12,349 | 6,692  | -     | 18,164       | 11,071 | 4,733  | -     |
| 184                | 2       | 3,041    | 805    | 603    | -     | 3,492          | 987    | 1,435  | -     | 2,289        | 884    | 992    | -     |
| 184                | 3       | 784      | 44     | -      | -     | 1,027          | -      | -      | -     | 807          | -      | -      | -     |
| 258                | 1       | 21,397   | 278    | 25     | -     | 29,278         | 433    | 51     | -     | 25,129       | 416    | 39     | -     |
| 263                | 1       | 40,131   | 3,523  | 964    | 17    | 53,050         | 3,227  | 5,625  | -     | 37,052       | 2,977  | 4,765  | -     |
| 424                | 1       | 8,454    | 3,778  | 75     | 273   | 15,866         | 2,599  | 1,179  | -     | 13,834       | 2,432  | 901    | -     |
| 424                | 2       | 2,112    | 1,046  | 174    | -     | 3,544          | 1,344  | 76     | -     | 9,103        | 1,188  | 2      | -     |
| 424                | 4       | 953      | 486    | -      | 499   | 3,153          | -      | 167    | -     | 2,760        | -      | 162    | -     |
| 543                | 2       | 1,913    | 315    | 2,410  | -     | 2,373          | 764    | 2,144  | -     | 1,718        | 540    | 1,386  | -     |
| 559                | 1       | 6,789    | 4,961  | 170    | 484   | 6,366          | 4,436  | 812    | 265   | 4,267        | 3,672  | 722    | 5100  |
| 607                | 1       | 6,301    | 1,009  | 29     | 51    | 7,989          | 2,794  | 113    | 193   | 5,069        | 2,499  | 92     | 25    |
| 607                | 2       | 4,106    | 914    | 1      | 105   | 4,157          | 604    | 1,141  | 153   | 2,627        | 511    | 976    | 23    |
| 607                | 3       | 3,191    | 1,221  | 123    | 0     | 4,524          | 1,032  | 396    | 281   | 2,809        | 788    | 275    | 21    |
| 607                | 4       | 868      | 59     | 7      | -     | 552            | 82     | -      | -     | 347          | 51     | -      | -     |
| 702                | 1       | 18,686   | 162    | 7,413  | -     | 34,212         | 515    | 23,293 | -     | 22,098       | 482    | 15,543 | -     |
| 702                | 4       | 1,055    | -      | 242    | -     | 3,715          | -      | 686    | -     | 2,621        | -      | 487    | -     |
| 705                | 3       | 6,895    | -      | 505    | -     | 10,581         | 152    | 5,832  | -     | 7,788        | 142    | 4,637  | -     |
| 705                | 5       | 5,038    | -      | 1,011  | -     | 8,967          | 185    | 6,267  | -     | 6,098        | 179    | 4,331  | -     |
| 912                | 1       | 2,543    | 527    | 10     | -     | 711            | 1,276  | 1,357  | -     | 423          | 846    | 801    | -     |
| 914                | 6       | 9,186    | 15     | -      | -     | 8,737          | 494    | 622    | -     | 5,932        | 444    | 436    | -     |
| Period 1 Total     |         | 326,140  | 45,092 | 27,088 | 1,423 | 392,101        | 63,468 | 92,747 | 892   | 284,971      | 55,898 | 66,463 | 169   |
| Period 1 Species % |         | 82%      | 11%    | 7%     | 0%    | 71%            | 12%    | 17%    | 0%    | 70%          | 14%    | 16%    | 0%    |

Period 2: October 1 - March 31, 2014

| Cutting Permit # | Block # | VRI Info |        |       |       | Cruise - Gross |        |        |       | Cruise - Net |        |        |       |
|------------------|---------|----------|--------|-------|-------|----------------|--------|--------|-------|--------------|--------|--------|-------|
|                  |         | PI       | Sx     | BI    | other | PI             | Sx     | BI     | other | PI           | Sx     | BI     | other |
| 6                | 1       | 7,705    | 726    | 24    | -     | 7,541          | 1,585  | 133    | -     | 4,945        | 1,413  | 115    | -     |
| 6                | 2       | 25,722   | 4,755  | 1,015 | -     | 29,718         | 8,992  | 658    | 70    | 18,115       | 7,829  | 606    | 70    |
| 6                | 3       | 2,477    | 590    | 32    | -     | 2,308          | 1,180  | -      | -     | 1,321        | 1,110  | -      | -     |
| 6                | 4       | 96,123   | 4,848  | 5     | 833   | 27,527         | 19,809 | 1,810  | 73    | 17,641       | 16,729 | 1,331  | 90    |
| 135              | 1       | 10,746   | 321    | 132   | -     | 16,483         | 543    | 1,040  | 43    | 12,827       | 482    | 914    | 5     |
| 161              | 2       | 87,666   | 4,101  | 3,079 | -     | 40,160         | 3,499  | 23,037 | -     | 30,512       | 3,137  | 16,817 | -     |
| 161              | 8       | 4,610    | 7      | -     | -     | 6,603          | -      | -      | -     | 5,513        | -      | -      | -     |
| 161              | 10      | 1,481    | -      | -     | -     | 3,038          | -      | -      | -     | 2,517        | -      | -      | -     |
| 162              | 2       | 6,062    | 3,258  | 1,424 | -     | 2,715          | 4,438  | 4,418  | -     | 1,792        | 3,787  | 3,008  | -     |
| 164              | 1       | 82,137   | 3,476  | 1,564 | -     | 95,422         | 5,154  | 7,152  | 500   | 69,235       | 4,811  | 5,988  | 101   |
| 164              | 4       | 1,003    | -      | 92    | -     | 594            | 55     | 325    | -     | 388          | 50     | 212    | -     |
| 164              | 5       | 760      | 140    | -     | -     | 587            | -      | 212    | -     | 860          | -      | 141    | -     |
| 184              | 1       | 11,396   | 1,523  | 618   | -     | 9,100          | 5,811  | 3,149  | -     | 6,195        | 5,210  | 2,227  | -     |
| 263              | 1       | 30,275   | 3,658  | 728   | 19    | 40,021         | 2,434  | 4,243  | -     | 2,951        | 2,246  | 3,594  | -     |
| 263              | 2       | 3,639    | 1,491  | 44    | -     | 2,196          | -      | -      | -     | 1,488        | -      | -      | -     |
| 424              | 6       | 5,034    | 2,849  | 1,630 | 0     | 7,227          | 2,579  | 3,123  | -     | 5,899        | 2,125  | 2,450  | -     |
| 429              | TA72    | 19,372   | 782    | -     | -     |                |        |        |       |              |        |        |       |
| 429              | TA79    | 4,092    | 1,986  | 466   | -     |                |        |        |       |              |        |        |       |
| 429              | TA80    | 20,768   | 3,353  | 89    | -     |                |        |        |       |              |        |        |       |
| 429              | TA80A   | 1,810    | 120    | -     | -     |                |        |        |       |              |        |        |       |
| 429              | TA81    | 1,049    | 499    | 249   | -     |                |        |        |       |              |        |        |       |
| 429              | TA82    | 483      | 109    | 40    | -     |                |        |        |       |              |        |        |       |
| 429              | TA84    | 5,206    | 2,844  | 1     | 0     |                |        |        |       |              |        |        |       |
| 429              | TA85    | 22,790   | 3,349  | -     | 642   |                |        |        |       |              |        |        |       |
| 429              | TA86    | 5,819    | 2,269  | 583   | -     |                |        |        |       |              |        |        |       |
| 429              | TA87    | 6,095    | 2,902  | 1,446 | -     |                |        |        |       |              |        |        |       |
| 429              | TA88    | 14,702   | 1,451  | 0     | -     |                |        |        |       |              |        |        |       |
| 543              | 1       | 14,042   | 8,213  | 9,625 | -     | 15,411         | 5,893  | 13,317 | 137   | 10,599       | 4,931  | 9,523  | 40    |
| 543              | 3       | 5,819    | 1,194  | 466   | -     | 3,111          | 2,064  | 1,614  | -     | 2,158        | 1,576  | 1,243  | -     |
| 553              | 1       | 2,834    | 9,701  | 525   | 127   | 4,685          | 6,890  | 4,665  | 1,311 | 2,921        | 5,527  | 3,808  | 507   |
| 556              | 1       | 12,418   | 24,845 | 7,766 | 327   | 22,188         | 29,283 | 13,397 | 4,626 | 17,519       | 25,584 | 10,161 | 1,847 |
| 564              | 1       | 3,865    | 920    | 131   | -     | 3,014          | 504    | 1,241  | -     | 2,131        | 452    | 861    | -     |
| 564              | 2       | 4,431    | 3,905  | 2,078 | -     | 5,780          | 4,577  | 5,333  | 173   | 3,947        | 3,687  | 3,708  | 31    |
| 583              | 1       | 24,128   | 6,725  | 2,933 | -     | 29,830         | 6,675  | 5,921  | -     | 20,629       | 5,617  | 4,770  | -     |
| 584              | 1       | 2,173    | 4,883  | 1,375 | 279   | 1,220          | 4,733  | 2,447  | 1,265 | 883          | 3,960  | 1,838  | 352   |
| 702              | 1       | 14,681   | 128    | 5,825 | -     | 26,880         | 405    | 18,301 | -     | 17,363       | 378    | 12,212 | -     |
| 702              | 2       | 5,699    | -      | 3,497 | -     | 9,266          | -      | 7,522  | 79    | 5,782        | -      | 4,779  | 72    |
| 704              | 1       | 5,926    | 851    | 590   | -     | 9,880          | 42     | 3,160  | -     | 6,769        | 39     | 2,146  | -     |

| Cutting Permit #   | Block # | VBI Info |         |        |       | Cruise - Gross |         |         |       | Cruise - Net |         |        |       |
|--------------------|---------|----------|---------|--------|-------|----------------|---------|---------|-------|--------------|---------|--------|-------|
|                    |         | PI       | Sx      | BI     | other | PI             | Sx      | BI      | other | PI           | Sx      | BI     | other |
| 705                | 2       | 4,665    | 327     | 958    |       | 2,601          | 714     | 4,904   | 20    | 1,552        | 632     | 3,161  | 19    |
| Period 2 Total     |         | 469,203  | 113,044 | 43,002 | 1,721 | 425,106        | 117,859 | 131,122 | 8,297 | 299,392      | 101,312 | 95,613 | 2,774 |
| Period 2 Species % |         | 75%      | 18%     | 7%     | 0%    | 62%            | 17%     | 19%     | 1%    | 60%          | 20%     | 19%    | 1%    |



Period 3: April 1 - September 30, 2014

| Cutting Permit #   | Block #     | VRI Info |        |        |       | Cruise - Gross |        |        |       | Cruise Net |        |        |       |
|--------------------|-------------|----------|--------|--------|-------|----------------|--------|--------|-------|------------|--------|--------|-------|
|                    |             | PI       | Sx     | BI     | other | PI             | Sx     | BI     | other | PI         | Sx     | BI     | other |
| 6                  | 4           | 10,188   | 1,367  | 1      | 94    | 7,764          | 5,587  | 511    | 20    | 4,976      | 4,719  | 375    | 9     |
| 161                | 4           | 6,787    | 3,080  | 703    |       | 7,113          | 4,933  | 12,601 | -     | 4,7        | 4,359  | 6,972  |       |
| 161                | 6           | 6,062    | 3,258  | 1,424  |       | 6,635          | 7,822  | 5,668  | -     | 4,249      | 6,702  | 3,512  |       |
| 163                | 1           | 15,172   | 4,866  | 5,965  |       | 21,421         | 3,955  | 13,789 | -     | 1,36       | 3,286  | 8,139  |       |
| 183                | 3           | 22,258   | 2,240  | 1,142  |       | 35,431         | 1,938  | 8,189  | -     | 26,959     | 1,682  | 7,375  |       |
| 183                | 2           | 21,608   | 45     | 129    |       | 41,188         | 413    | 3,059  | -     | 30,895     | 386    | 2,209  |       |
| 269                | 1           | 30,560   | 590    |        | 37    | 36,542         | 1,656  | 1,089  | -     | 27,221     | 1,571  | 992    |       |
| 269                | 2           | 31,113   | 1,984  | 111    |       | 29,767         | 1,007  | 541    | -     | 19,929     | 895    | 49     |       |
| 423                | 1           | 21,024   | 1,815  | 12     |       | 18,174         | 2,451  | -      | -     | 946        | 2,199  |        |       |
| 423                | 2           | 2,994    | 193    | 54     | 67    | 3,389          | -      | 322    | -     | 2          |        | 311    |       |
| 423                | 3           | 8,013    | 755    | 0      |       | 7,497          | 773    | -      | -     | 99         | 14     |        |       |
| 423                | 4           | 2,581    | 465    | 48     |       | 1,416          | 1,060  | 820    | -     | 1,181      |        | 563    |       |
| 423                | 6           | 11,859   | 1,703  | 107    | 78    | 15,441         | 2,735  | 241    | -     | 12,880     |        | 189    |       |
| 425                | 1           | 16,078   | 4,602  | 456    |       | 20,047         | 639    | 1,949  | -     | 16,331     | 594    | 1      |       |
| 425                | 2           | 2,266    | 334    | 826    |       | 2,935          | 326    | 1,113  | -     | 357        | 804    | 790    |       |
| 425                | 3           | 403      | 349    | 189    |       | 5,780          | 205    | -      | -     | 5,050      | 19     |        |       |
| 425                | 4           | 2,099    | 253    | 13     |       | 1,329          | 575    | 98     | -     | 1,163      | 511    | 48     |       |
| 425                | 5           | 1,047    | 225    | 39     |       | 1,282          | 118    | -      | -     | 1,087      | 112    | -      |       |
| 429                | TA301       | 7,297    | 5,213  | 864    | 461   |                |        |        |       |            |        |        |       |
| 429                | TA85A       | 4,654    | 2,290  | 404    |       |                |        |        |       |            |        |        |       |
|                    | 2011-MOR14  | 5,126    | 454    | 0      |       |                |        |        |       |            |        |        |       |
|                    | 2011-Mor-01 | 85,911   | 6,132  | 2,822  | 0     |                |        |        |       |            |        |        |       |
|                    | 2011-Mor-03 | 1,043    | 109    | 76     |       |                |        |        |       |            |        |        |       |
|                    | 2012-Swe-13 | 5,867    | 24     | 1,589  |       |                |        |        |       |            |        |        |       |
|                    | 2012-Swe-03 | 8,766    | -      | 1,297  |       |                |        |        |       |            |        |        |       |
|                    | 2012-Swe-16 | 6,010    | -      | 766    |       |                |        |        |       |            |        |        |       |
|                    | 2012-Swe-17 | 3,019    | -      | 385    |       |                |        |        |       |            |        |        |       |
|                    | 2012-Swe-18 | 3,414    | -      | 435    |       |                |        |        |       |            |        |        |       |
|                    | 2012-Swe-19 | 2,628    | -      | 395    |       |                |        |        |       |            |        |        |       |
|                    | 2012-Swe-20 | 2,179    | -      | 307    |       |                |        |        |       |            |        |        |       |
|                    | 2012-Swe-21 | 2,698    | -      | 302    |       |                |        |        |       |            |        |        |       |
|                    | 2012-Swe-22 | 1,228    | -      | 177    |       |                |        |        |       |            |        |        |       |
|                    | 2012-Swe-23 | 1,085    | -      | 138    |       |                |        |        |       |            |        |        |       |
| Period 3 Total     |             | 353,039  | 42,343 | 21,176 | 737   | 263,151        | 36,193 | 49,990 | 20    | 197,802    | 81,721 | 33,422 | 9     |
| Period 3 Species % |             | 85%      | 10%    | 5%     | 0%    | 75%            | 10%    | 14%    | 0%    | 75%        | 12%    | 13%    | 0%    |



Period 4: October 1, 2014 - March 31, 2015

| Cutting Permit # | Block #     | VRI Info |        |       |       | Cruise - Gross |       |       |       | Cruise - Net |       |       |       |
|------------------|-------------|----------|--------|-------|-------|----------------|-------|-------|-------|--------------|-------|-------|-------|
|                  |             | PI       | Sx     | BI    | other | PI             | Sx    | BI    | other | PI           | Sx    | BI    | other |
| 165              | 1           | 24,726   | 828    | 1     | -     | 40,887         | 855   | 814   | -     | 32,469       | 782   | 761   | -     |
| 165              | 5           | 9,284    | 303    | -     | -     | 14,486         | 202   | 678   | -     | 11,564       | 196   | 643   | -     |
| 165              | 7           | 7,369    | 856    | 10    | -     | 9,255          | -     | -     | -     | 7,346        | -     | -     | -     |
| 165              | 11          | 2,349    | 472    | 2     | -     | 2,614          | -     | 1,137 | -     | 1,527        | -     | 719   | -     |
| 165              | 12          | 819      | 165    | 15    | -     | 1,258          | 175   | 502   | -     | 784          | 158   | 364   | -     |
| 270              | 1           | 63,942   | 4,228  | 2,290 | 612   | 83,596         | 5,422 | 4,329 | 974   | 61,864       | 5,217 | 3,908 | 239   |
| 426              | 1           | 5,236    | 831    | 64    | -     |                |       |       |       |              |       |       |       |
| 426              | 2           | 15,723   | 2,603  | 297   | 0     |                |       |       |       |              |       |       |       |
| 426              | 3           | 2,619    | 886    | 114   | -     |                |       |       |       |              |       |       |       |
| 426              | 3A          | 75       | 434    | 121   | -     |                |       |       |       |              |       |       |       |
| 426              | 4           | 436      | 43     | 17    | -     |                |       |       |       |              |       |       |       |
| 426              | 5           | 16,315   | 1,713  | 2     | 0     |                |       |       |       |              |       |       |       |
|                  | TA101       | 7,659    | 3,769  | 11    | -     |                |       |       |       |              |       |       |       |
|                  | TA102       | 4,639    | 2,365  | 176   | -     |                |       |       |       |              |       |       |       |
|                  | TA207       | 3,856    | 1      | -     | -     |                |       |       |       |              |       |       |       |
|                  | TA208       | 1,813    | 0      | -     | -     |                |       |       |       |              |       |       |       |
|                  | TA209       | 767      | 1,647  | -     | -     |                |       |       |       |              |       |       |       |
|                  | 2011-Nad-11 | 28,992   | 25,045 | 8,725 | -     |                |       |       |       |              |       |       |       |
|                  | 191-1.7     | 70,064   | 11,837 | 4,763 | -     |                |       |       |       |              |       |       |       |
|                  | 191-1.1     | 7,207    | 1,277  | 284   | -     |                |       |       |       |              |       |       |       |
|                  | 191-1.2     | 971      | 2,304  | -     | 96    |                |       |       |       |              |       |       |       |
|                  | 191-1.3     | 2,378    | 579    | 370   | -     |                |       |       |       |              |       |       |       |
|                  | 191-1.4     | 1,971    | 38     | 6     | -     |                |       |       |       |              |       |       |       |
|                  | 191-1.5     | 4,746    | 84     | 667   | -     |                |       |       |       |              |       |       |       |
|                  | 191-1.6     | 15,209   | 576    | 0     | -     |                |       |       |       |              |       |       |       |
|                  | 2011-Mor-06 | 35,049   | 95     | 1,491 | 0     |                |       |       |       |              |       |       |       |
|                  | 2011-MOR07  | 14,503   | 5,182  | 3,484 | -     |                |       |       |       |              |       |       |       |
|                  | 2011-MOR08  | 11,084   | 493    | 429   | -     |                |       |       |       |              |       |       |       |
|                  | 2011-MOR10  | 5,868    | 523    | 0     | -     |                |       |       |       |              |       |       |       |
|                  | 2011-MOR11  | 9,245    | 946    | 675   | -     |                |       |       |       |              |       |       |       |
|                  | 2011-MOR12  | 10,021   | 1,025  | 731   | -     |                |       |       |       |              |       |       |       |
|                  | 2011-MOR13  | 2,392    | 209    | 0     | -     |                |       |       |       |              |       |       |       |
|                  | 000-MOR20   | 2,036    | 2,179  | 5,476 | -     |                |       |       |       |              |       |       |       |
|                  | 000-MOR29   | 7,699    | 4,534  | 1,049 | -     |                |       |       |       |              |       |       |       |
|                  | 000-MOR30   | 9,148    | 2,073  | 1,040 | 112   |                |       |       |       |              |       |       |       |
|                  | 000-MOR31   | 2,437    | 3,236  | 2,364 | -     |                |       |       |       |              |       |       |       |
|                  | 2012-Nad-31 | 69,522   | 13,604 | 9,681 | -     |                |       |       |       |              |       |       |       |
|                  | 2012-Nad-34 | 10,568   | 3,915  | 1,158 | -     |                |       |       |       |              |       |       |       |

| Cutting<br>Permit # | Block #     | VRI Info |         |        |       | Cruise - Gross |       |       |       | Cruise - Net |       |       |       |
|---------------------|-------------|----------|---------|--------|-------|----------------|-------|-------|-------|--------------|-------|-------|-------|
|                     |             | PI       | Sx      | BI     | other | PI             | Sx    | BI    | other | PI           | Sx    | BI    | other |
|                     | 2012-Nad-35 | 10,010   | 2,686   | 1,863  | -     |                |       |       |       |              |       |       |       |
|                     | 2012-Nad-36 | 2,454    | 1,507   | 432    | -     |                |       |       |       |              |       |       |       |
|                     | 2012-Nad-37 | 2,496    | 222     | 820    | -     |                |       |       |       |              |       |       |       |
|                     |             |          |         |        |       |                |       |       |       |              |       |       |       |
| Period 4 Total      |             | 603,210  | 104,292 | 49,524 | 819   | 152,096        | 6,654 | 7,460 | 974   | 115,554      | 6,353 | 6,395 | 239   |
| Period 4 Species %  |             | 76%      | 16%     | 8%     | 0%    | 91%            | 4%    | 4%    | 1%    | 90%          | 5%    | 5%    | 0%    |

Period 5: April 1 - September 30, 2015

| Cutting Permit #   | Block #       | VRI Info |        |        |       | Cruise - Gross |        |        |       | Cruise - Net |        |        |       |
|--------------------|---------------|----------|--------|--------|-------|----------------|--------|--------|-------|--------------|--------|--------|-------|
|                    |               | PI       | Sx     | BI     | other | PI             | Sx     | BI     | other | PI           | Sx     | BI     | other |
| 183                | 1             | 55,259   | 9,570  | 1,822  | -     | 67,142         | 4,929  | 22,398 | -     | 49,715       | 4,458  | 18,138 | -     |
| 441                | TA59          | 2,665    | 1,755  | 293    | -     |                |        |        |       |              |        |        |       |
| 441                | TA60          | 16,963   | 3,361  | 5,411  | -     |                |        |        |       |              |        |        |       |
| 915                | 1             | 11,112   | ,607   | 2,460  | -     | 8,398          | 3,405  | 10,344 | -     | 5,198        | 2,638  | 6,409  | -     |
| 916                | 2             | 18,206   | 0      | -      | -     | 21,152         | -      | 108    | -     | 14,557       |        | 106    | -     |
| 916                | 3             | 10,766   | 898    | 255    | -     | 7,512          | 2,616  | 697    | 81    | 4,934        | 2,129  | 467    | 40    |
| 917                | 1             | 4,696    | 1,857  | 447    | -     | 2,900          | 3,005  | 930    | -     | 1,444        | 2,458  | 794    | -     |
| 917                | 4             | 4,288    | 610    | 199    | -     | 2,840          | 2,128  | 1,250  | -     | 1,924        | 1,722  | 832    | -     |
| 917                | 5             | 2,265    | 724    | 417    | -     | 2,310          | 2,493  | 1,460  | -     | 1,340        | 2,021  | 859    | -     |
| 917                | 6             | 13,498   | 1,733  | 2,028  | -     | 13,381         | 5,201  | 9,663  | -     | 8,908        | 4,515  | 5,864  | -     |
| 918                | 1             | 3,805    | 2,639  | 3,380  | -     | 5,313          | 1,880  | 4,208  | -     | 3,297        | 4,578  | 2,562  | -     |
| 950                | TA50          | 1,690    | 136    | -      | 73    |                |        |        |       |              |        |        |       |
|                    | TA302         | 13,387   | 3,549  | 11,182 | 268   |                |        |        |       |              |        |        |       |
|                    | TA303         | 3,123    | 590    | 191    | 0     |                |        |        |       |              |        |        |       |
|                    | TA304         | 4,666    | 340    | 8      | -     |                |        |        |       |              |        |        |       |
|                    | TA305         | 3,666    | 2,149  | 1,222  | 61    |                |        |        |       |              |        |        |       |
|                    | TA401         | 3,778    | 1,280  | 317    | 553   |                |        |        |       |              |        |        |       |
|                    | TA43          | 453      | 1,837  | 734    | -     |                |        |        |       |              |        |        |       |
|                    | TA58          | 706      | 344    | 38     | -     |                |        |        |       |              |        |        |       |
|                    | 2012-Wsl-23   | 76,226   | 4,508  | 642    | -     |                |        |        |       |              |        |        |       |
|                    | 2012-Nad-22   | 52,233   | 5,762  | 2,345  | -     |                |        |        |       |              |        |        |       |
|                    | 000-MOR39     | 12,035   | 2,775  | 1,027  | -     |                |        |        |       |              |        |        |       |
|                    | 2011-Mor-04   | 1,856    | 987    | 0      | -     |                |        |        |       |              |        |        |       |
|                    | 2011-Mor-05   | 11,065   | 3,794  | 219    | 240   |                |        |        |       |              |        |        |       |
|                    | 000-MOR23     | 7,300    | 2,344  | 72     | 1,330 |                |        |        |       |              |        |        |       |
|                    | 000-MOR24     | 1,856    | 3,632  | -      | -     |                |        |        |       |              |        |        |       |
|                    | 000-MOR27     | 4,266    | 1,741  | 6      | 223   |                |        |        |       |              |        |        |       |
|                    | 000-MOR28     | 6,956    | 6,721  | 98     | 693   |                |        |        |       |              |        |        |       |
|                    | 2013-Klate-1  | 918      | 256    | -      | 16    |                |        |        |       |              |        |        |       |
|                    | 2013-Klate-10 | 8,099    | 965    | -      | 49    |                |        |        |       |              |        |        |       |
|                    | 2013-Klate-11 | 655      | 193    | -      | 5     |                |        |        |       |              |        |        |       |
|                    | 2013-Klate-2  | 17,994   | 3,654  | -      | -     |                |        |        |       |              |        |        |       |
|                    | 2013-Klate-3  | 364      | 109    | -      | -     |                |        |        |       |              |        |        |       |
|                    | 2013-Klate-4  | 20,095   | 4,545  | 30     | 277   |                |        |        |       |              |        |        |       |
| Period 5 Total     |               | 371,912  | 77,968 | 34,844 | 9,789 | 130,948        | 25,657 | 51,058 | 81    | 91,317       | 21,519 | 36,031 | 40    |
| Period 5 Species % |               | 76%      | 16%    | 7%     | 1%    | 63%            | 12%    | 25%    | 0%    | 61%          | 14%    | 24%    | 0%    |

## **2. Partition Harvest Plan Rationale**

Houston Forest Products' (HFP) harvest plan achieves the 75% pine harvest objective based on the VRI over the plan horizon. In the first period, for which HFP has full cruise data, there is a 11% drop between VRI pine % and the Gross Cruise pine % and a 12% drop for the Net Cruise pine %. If these differences are considered representative across all operating areas, there will be a significant challenge to achieve the partition of 75% pine based on Gross or Net Cruise volumes.

Our operations under this plan will be accessing volumes in the Morrison, Tanglechain, Thautil, Owen, Nadina, Sweeney, Tahtsa, and Whitesail operating areas.

The Morrison last had harvest operations in 2007 after which HFP pursued higher pine infestation levels south of Babine Lake. The start up operations in 2013 will begin on our approved STI and laid out permits and then transition into proposed pine dominated stands. It is expected that the Morrison will show considerable additions and deletions of blocks during the term of the plan as we begin large scale operations again in this area.

The majority of the remaining pine leading stands in HFP's Tanglechain operating area are expected to be addressed during the term of this plan.

There is one permit planned in the Thautil operating area in the vicinity of Chisholm Lake. An area of pine along the west side of the Thautil River is unplanned until the situation around pipeline activity and potential First Nations actions become clearer.

The Owen operating area will see pine harvest planned along Owen Creek, in the Klate Creek area, and the Peter Aleck Creek area.

The Nadina operating area will see operations spread out through the Sibola/Glacier creek area, Hill Tout, Shelford Hills, Nadina Lake, Poplar Lake, and Duck Lake areas. A concern for HFP regarding the Nadina is the Unistoten influence around Poplar Lake and potential impacts on volume movement coming from the Poplar Lake, Hill Tout, and the Duck Lake areas.

The Sweeney operating area accounts for a relatively high proportion of pine and a substantial portion of the pine leading stands are addressed through the term of this plan.

The Tahtsa operating area will have a substantial portion of the remaining operable dead pine addressed during the term of this plan.

The Whitesail operating area will see operations focused on the remaining pine stands on the Peninsula side (east side) of this operating area.

Houston Forest Products will strive to address high pine percentage stands to achieve 75% pine content, however poorer quality in long dead pine and the smaller piece size found in the higher proportion pine stands will have an affect on the economic viability of many of these stands. HFP anticipates there may be considerable substitutions throughout this plan to try and meet the 75% target in economically viable stands.

## Partition Plan Summary Tables

The following tables summarize by period the planned volumes under the BCTS, Canfor, and West Fraser licenses.

### *Period 1 Pre-Harvest Info*

| Company          | VRI Info         |                |                |              | Cruise - Gross   |                |                |            | Cruise - Net   |                |                |            | VRI Pine % |
|------------------|------------------|----------------|----------------|--------------|------------------|----------------|----------------|------------|----------------|----------------|----------------|------------|------------|
|                  | PI               | Sx             | BI             | other        | PI               | Sx             | BI             | other      | PI             | Sx             | BI             | other      |            |
| BCTS             | 166,177          | 37,845         | 17,277         |              | 163,175          | 44,696         | 30,591         |            | 109,851        | 40,984         | 27,995         |            | 75%        |
| Canfor           | 576,099          | 193,883        | 118,476        |              | 538,538          | 221,368        | 203,844        |            | 392,838        | 196,012        | 133,253        |            | 65%        |
| West Fraser      | 326,140          | 45,092         | 27,088         | 1,423        | 392,101          | 63,468         | 92,747         | 892        | 284,971        | 55,898         | 66,453         | 169        | 82%        |
| <b>Total</b>     | <b>1,068,416</b> | <b>276,820</b> | <b>162,841</b> | <b>1,423</b> | <b>1,093,814</b> | <b>329,532</b> | <b>327,182</b> | <b>892</b> | <b>787,660</b> | <b>292,894</b> | <b>227,701</b> | <b>169</b> | <b>71%</b> |
| <b>Species %</b> | <b>71%</b>       | <b>18%</b>     | <b>11%</b>     | <b>0%</b>    | <b>62%</b>       | <b>19%</b>     | <b>19%</b>     | <b>0%</b>  | <b>60%</b>     | <b>22%</b>     | <b>17%</b>     | <b>0%</b>  |            |

### *Period 2 Pre-Harvest Info*

| Company          | VRI Info         |                |               |              | Cruise - Gross |                |                |              | Cruise - Net   |                |                |              | VRI Pine % |
|------------------|------------------|----------------|---------------|--------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|--------------|------------|
|                  | PI               | Sx             | BI            | other        | PI             | Sx             | BI             | other        | PI             | Sx             | BI             | other        |            |
| BCTS             | 161,805          | 21,587         | 4,633         |              | 161,822        | 28,247         | 13,831         |              | 119,207        | 26,545         | 12,487         |              | 86%        |
| Canfor           | 716,968          | 163,889        | 34,609        |              | 239,298        | 70,270         | 19,656         |              | 179,288        | 61,785         | 14,249         |              | 78%        |
| West Fraser      | 469,203          | 113,044        | 43,002        | 1,721        | 425,106        | 117,859        | 131,122        | 8,297        | 299,392        | 101,312        | 95,613         | 2,774        | 75%        |
| <b>Total</b>     | <b>1,347,976</b> | <b>298,520</b> | <b>82,244</b> | <b>1,721</b> | <b>826,226</b> | <b>216,376</b> | <b>164,609</b> | <b>8,297</b> | <b>597,887</b> | <b>189,642</b> | <b>122,349</b> | <b>2,774</b> | <b>78%</b> |
| <b>Species %</b> | <b>78%</b>       | <b>17%</b>     | <b>5%</b>     | <b>0%</b>    | <b>68%</b>     | <b>18%</b>     | <b>14%</b>     | <b>1%</b>    | <b>66%</b>     | <b>21%</b>     | <b>13%</b>     | <b>0%</b>    |            |

### *Period 3 Pre-Harvest Info*

| Company          | VRI Info         |                |               |            | Cruise - Gross |               |                |           | Cruise - Net   |               |               |           | VRI Pine % |
|------------------|------------------|----------------|---------------|------------|----------------|---------------|----------------|-----------|----------------|---------------|---------------|-----------|------------|
|                  | PI               | Sx             | BI            | other      | PI             | Sx            | BI             | other     | PI             | Sx            | BI            | other     |            |
| BCTS             | 201,353          | 26,680         | 12,983        |            | 220,065        | 36,781        | 57,016         |           | 165,655        | 33,141        | 42,655        |           | 84%        |
| Canfor           | 567,246          | 125,899        | 37,215        |            | 90,986         | 14,798        | 1,953          |           | 72,577         | 14,075        | 1,699         |           | 78%        |
| West Fraser      | 353,039          | 42,343         | 21,176        | 737        | 263,151        | 36,193        | 49,990         | 20        | 197,802        | 31,721        | 33,422        | 9         | 85%        |
| <b>Total</b>     | <b>1,121,638</b> | <b>194,922</b> | <b>71,374</b> | <b>737</b> | <b>574,202</b> | <b>87,772</b> | <b>108,959</b> | <b>20</b> | <b>436,034</b> | <b>78,937</b> | <b>77,776</b> | <b>9</b>  | <b>81%</b> |
| <b>Species %</b> | <b>81%</b>       | <b>14%</b>     | <b>5%</b>     | <b>0%</b>  | <b>74%</b>     | <b>11%</b>    | <b>14%</b>     | <b>0%</b> | <b>74%</b>     | <b>13%</b>    | <b>13%</b>    | <b>0%</b> |            |

## Summary Tables continued

### Period 4 Pre-Harvest Info

| Company          | VRI info         |                |                |            | Cruise - Gross |               |               |            | Cruise - Net   |               |               |            | VRI Pine % |
|------------------|------------------|----------------|----------------|------------|----------------|---------------|---------------|------------|----------------|---------------|---------------|------------|------------|
|                  | PI               | Sx             | BI             | other      | PI             | Sx            | BI            | other      | PI             | Sx            | BI            | other      |            |
| BCTS             | 191,486          | 25,578         | 25,905         |            | 0              | 0             | 0             |            | 0              | 0             | 0             |            | 79%        |
| Canfor           | 596,422          | 156,391        | 49,456         |            | 94,806         | 35,683        | 17,524        |            | 69,163         | 31,154        | 13,267        |            | 74%        |
| West Fraser      | 503,210          | 104,292        | 49,524         | 819        | 152,096        | 6,654         | 7,460         | 974        | 115,554        | 6,353         | 6,395         | 239        | 76%        |
| <b>Total</b>     | <b>1,291,118</b> | <b>286,261</b> | <b>124,885</b> | <b>819</b> | <b>246,902</b> | <b>42,337</b> | <b>24,984</b> | <b>974</b> | <b>184,717</b> | <b>37,507</b> | <b>19,662</b> | <b>239</b> | <b>76%</b> |
| <b>Species %</b> | <b>76%</b>       | <b>17%</b>     | <b>7%</b>      | <b>0%</b>  | <b>78%</b>     | <b>13%</b>    | <b>8%</b>     | <b>0%</b>  | <b>76%</b>     | <b>15%</b>    | <b>8%</b>     | <b>0%</b>  |            |

### Period 5 Pre-Harvest Info

| Company          | VRI info       |                |               |              | Cruise - Gross |               |               |           | Cruise - Net   |               |               |           | VRI Pine % |
|------------------|----------------|----------------|---------------|--------------|----------------|---------------|---------------|-----------|----------------|---------------|---------------|-----------|------------|
|                  | PI             | Sx             | BI            | other        | PI             | Sx            | BI            | other     | PI             | Sx            | BI            | other     |            |
| BCTS             | 172,656        | 62,468         | 1,790         |              | 0              | 0             | 0             |           | 0              | 0             | 0             |           | 73%        |
| Canfor           | 370,798        | 79,178         | 39,903        |              | 19,624         | 13,833        | 5,551         |           | 15,798         | 12,339        | 4,255         |           | 76%        |
| West Fraser      | 371,912        | 77,968         | 34,844        | 3,789        | 130,948        | 25,657        | 51,058        | 81        | 91,317         | 21,519        | 36,031        | 40        | 76%        |
| <b>Total</b>     | <b>915,366</b> | <b>219,614</b> | <b>76,537</b> | <b>3,789</b> | <b>150,572</b> | <b>39,490</b> | <b>56,609</b> | <b>81</b> | <b>107,115</b> | <b>33,858</b> | <b>40,286</b> | <b>40</b> | <b>75%</b> |
| <b>Species %</b> | <b>75%</b>     | <b>18%</b>     | <b>6%</b>     | <b>0%</b>    | <b>61%</b>     | <b>16%</b>    | <b>23%</b>    | <b>0%</b> | <b>59%</b>     | <b>19%</b>    | <b>22%</b>    | <b>0%</b> |            |

### Partition Plan Term Pre-Harvest Info

| Company          | VRI info         |                  |                |              | Cruise - Gross   |                |                |               | Cruise - Net     |                |                |              | VRI Pine % |
|------------------|------------------|------------------|----------------|--------------|------------------|----------------|----------------|---------------|------------------|----------------|----------------|--------------|------------|
|                  | PI               | Sx               | BI             | other        | PI               | Sx             | BI             | other         | PI               | Sx             | BI             | other        |            |
| BCTS             | 893,477          | 174,158          | 62,588         |              | 545,062          | 109,724        | 101,438        |               | 394,713          | 100,670        | 83,137         |              | 79%        |
| Canfor           | 2,827,533        | 719,240          | 279,659        |              | 983,252          | 355,952        | 248,528        |               | 729,664          | 315,365        | 166,723        |              | 74%        |
| West Fraser      | 2,023,503        | 382,739          | 175,634        | 8,489        | 1,363,402        | 249,831        | 332,377        | 10,264        | 989,036          | 216,803        | 237,914        | 3,231        | 78%        |
| <b>Total</b>     | <b>5,744,513</b> | <b>1,276,137</b> | <b>517,881</b> | <b>8,489</b> | <b>2,891,716</b> | <b>715,507</b> | <b>682,343</b> | <b>10,264</b> | <b>2,113,413</b> | <b>632,838</b> | <b>487,774</b> | <b>3,231</b> | <b>76%</b> |
| <b>Species %</b> | <b>76%</b>       | <b>17%</b>       | <b>7%</b>      | <b>0%</b>    | <b>67%</b>       | <b>17%</b>     | <b>16%</b>     | <b>0%</b>     | <b>65%</b>       | <b>20%</b>     | <b>15%</b>     | <b>0%</b>    |            |