

# BVLD AMS Burn Operator's Forum

Highlights from the 2005 Fall Burn

Season: How Did We Do?

Sept 11th, 2006

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### Overview

- ► The Bigger Picture
  - Goals, Indicators and Strategies from chapters 6 and 7 in the BVLD Airshed Management Plan: Community Action For Clean Air
    - Forest Harvest Debris Burning (http://bv/damp.ca/html/documents/chap6.PDF)
    - ► Agriculture, Land Development and Small Sawmill Debris Burning (http://bvldamp.ca/html/documents/chap7.PDF)
- ▶ Highlights from the 2005 Burn Season
  - Custom Venting Index Forecasting (CVF) service
  - Burn Season Air Quality (AQ)

# The Bigger Picture

- Goals (from chapters 6 and 7 of the BVLD AMP: CAPCA tables 6-1 and 7-6
- Reduce or eliminate AQ episodes attributable to forest harvesting / resource management debris burning as well as agricultural, land development and small sawmill debris burning
- Provide a proactive response when AQ is deteriorating in the airshed
- Reduce smoke impact on light aircraft navigation

# The Bigger Picture

#### Strategies / Tools

- Continued operation of the Resource Management Burning Subcommittee (Burn Operator's Forum)
- Maintain MoE's educational, coordination and enforcement role with emitters
- Adhere to open burning restrictions ("burn bans") when necessary
- ► Follow locally developed Forest District Burn Management Plans
- ▶ Take advantage of CVF service when available

### Highlights from the 2005 Burn Season

#### Custom Venting Index Forecasting Service

- ► In 2005 all Major Licensees received custom venting index forecasts
  - Pacific Inland Resources, Houston Forest Products, Babine Forest Products
  - Canfor Houston
  - Fraser Lake Sawmills
- Canfor Plateau, Timber Baron Forest Products, Cascadia/Western Forest Products, MoF in Quesnel and Williams Lake joined partway through the burn season
- Numerous small licensees, woodlot owners and agricultural landowners received CVF as well

### 2004 Burn Season

#### Custom Venting Index Forecasting Service

#### In total there were

- 307 emails written between September 13<sup>th</sup> and December 19<sup>th</sup> to 16 different recipients (sometimes over 10 per day)
- 30 phone spot forecasts as well as
- Numerous faxed forecasts
- Forecasts were issued to licensees in the
  - Vanderhoof
  - Nadina
  - Skeena-Stikine
  - Kalum and
  - North Coast Forest Districts as well as to
  - licensees / permitees on the Queen Charlotte Islands.

# Highlights from the 2005 Burn Season Custom Venting Index Forecasting Service

- ▶ In Total:
  - Over 800 fcsts written between September 11<sup>th</sup> and December 19<sup>th</sup> to 27 different recipients (at times over 18 per day)
- ▶ Forecasts were issued to licensees in the
  - Queen Charlotte Islands
  - North Coast
  - Kalum
  - Skeena-Stikine
  - Nadina
  - Vanderhoof
  - Prince George
  - Fort St. James and
  - Quesnel Forest Districts

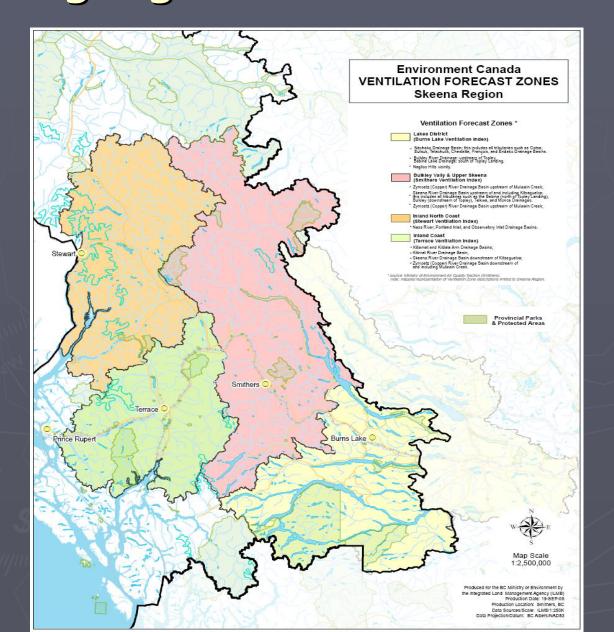
Skeena Region

Other Regions

# Geographical Extent of CVF



### Highlights from the 2005 Burn Season



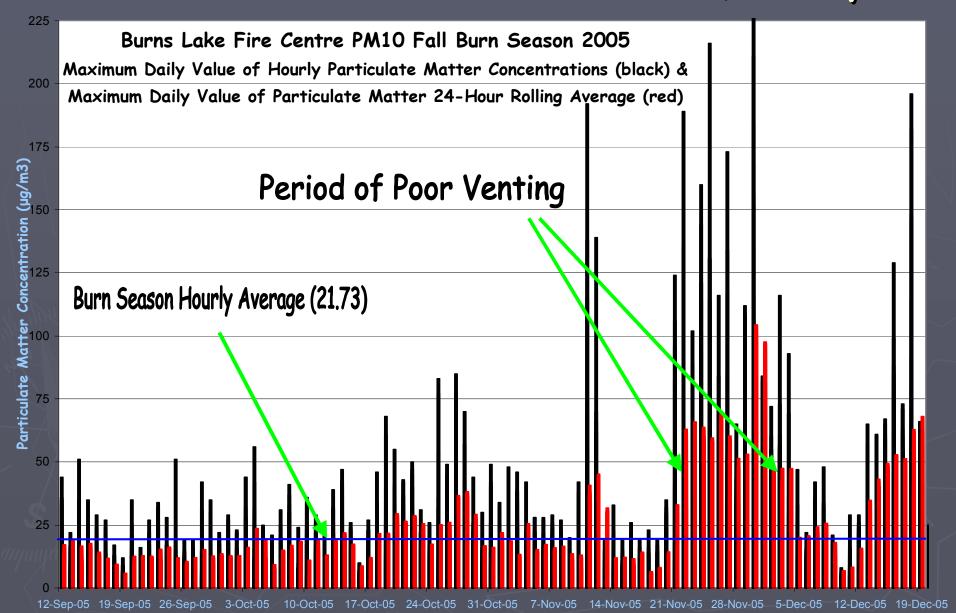
Custom Venting
Index Forecasting
Service

### Highlights from the 2005 Burn Season

2005 Burn Season Custom Venting Forecast Openings and Closures										
Forecast Location	Net opened days	Days opened	Days closed	Forecast days						
Smithers	18	23	5	80						
Burns Lake	6	10	4	69						
Queen Charlotte Islands <sup>2</sup>	1	5	4	27						
Quesnel	4	4	0	25						
Stewart	14	14	0	18						
Terrace	17	18	1	60						
Totals	60	74	14							

<sup>2</sup>QCI EC Venting Index Forecast not publically available

### 2005 Burn Season Air Quality



# BVLD Air Quality Episode History

Month	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
January											
February											
March											
April											
May											
June											
July											
August											
September											
October											
November											
December											
1-3 days											

7-9 days

10+ days

25 13 28 33 12 12 19 20 26 12 19

# Summary

- Open Burning (as per chapters 6 and 7 in the AMP) contribute a significant quantity of PM2.5 to the BVLD airshed.
- ► Goals, indicators, strategies and tools help us all manage this emission source. One such tool is the CVF service.
- The number of recipients to the CVF service is increasing. So are the number of partners.
- In 2005 Custom venting forecasts increased burning opportunities compared to the Environment Canada Venting Index Forecasts.
- During the Burn Season there were 2 sets of AQ Advisories or Burn Bans. (Nov 22-25 & Nov 30 - Dec 1)
- Lots of successes to build on. MoE looks forward to continue working with everyone this Fall!
- Custom Venting Forecaster Armel Castellan (armel.castellan@gov.bc.ca)