

# VAAGEN MERCHANDISER LOG SCALING



# NORTHEAST WA FIRES 2015

# North Washington Fire Locations Complexes and Team Types

**Legend**

**Fire Complexes**

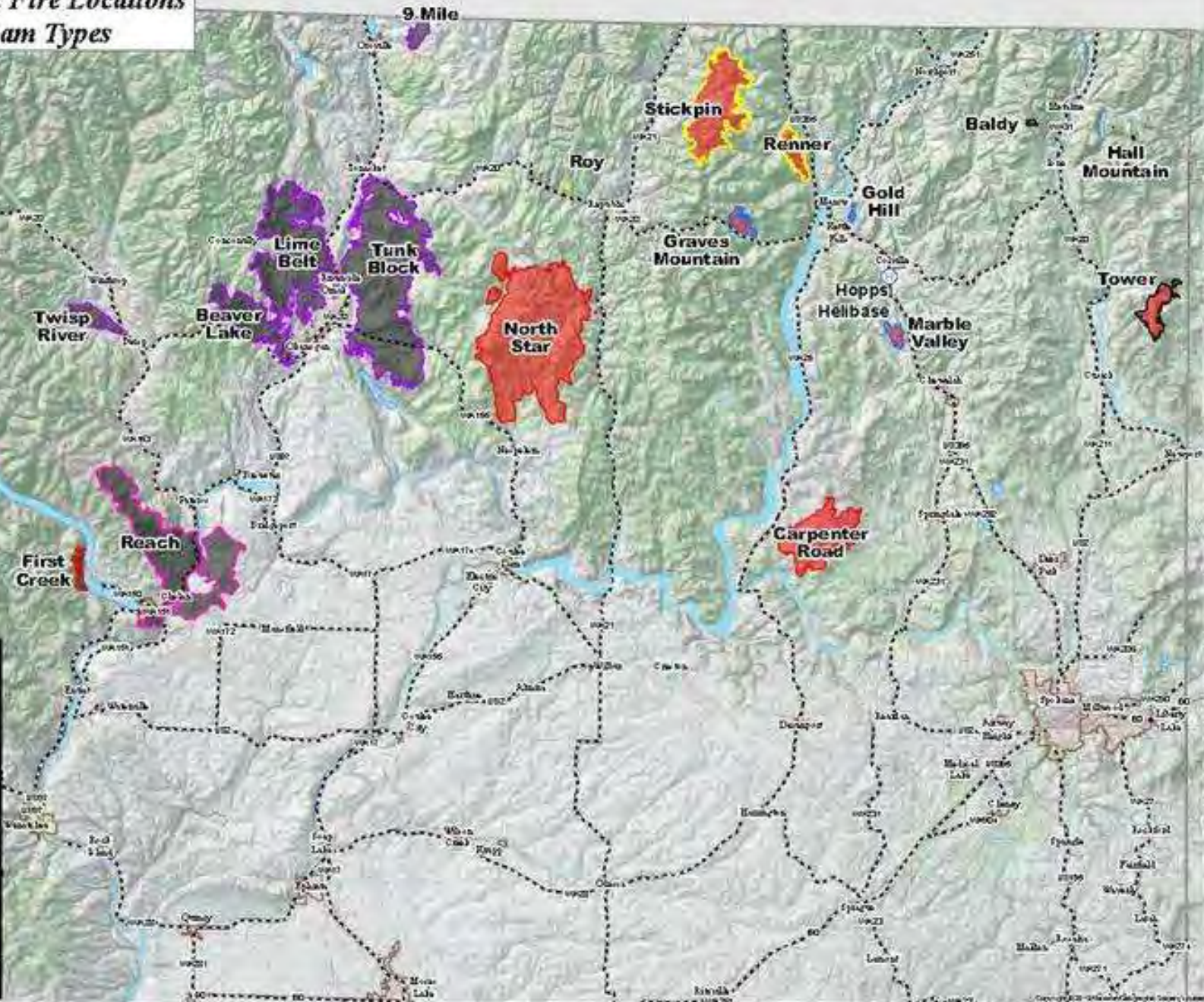
- Not Complexed
- Chelan Complex
- Colville Complex
- Kaniksu Complex
- Kettle Complex
- Okanogan Complex

**Team Type**

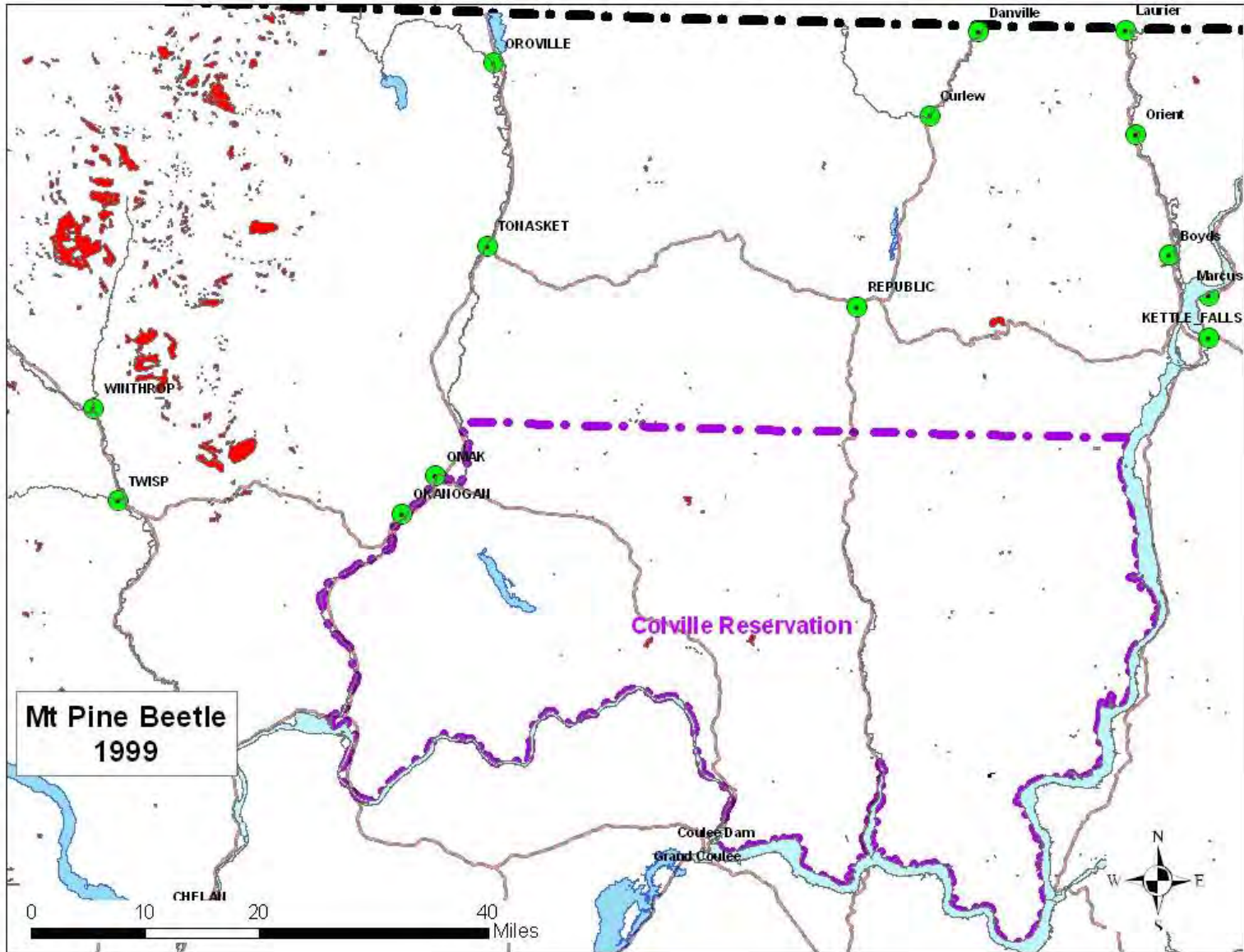
- 1
- 2



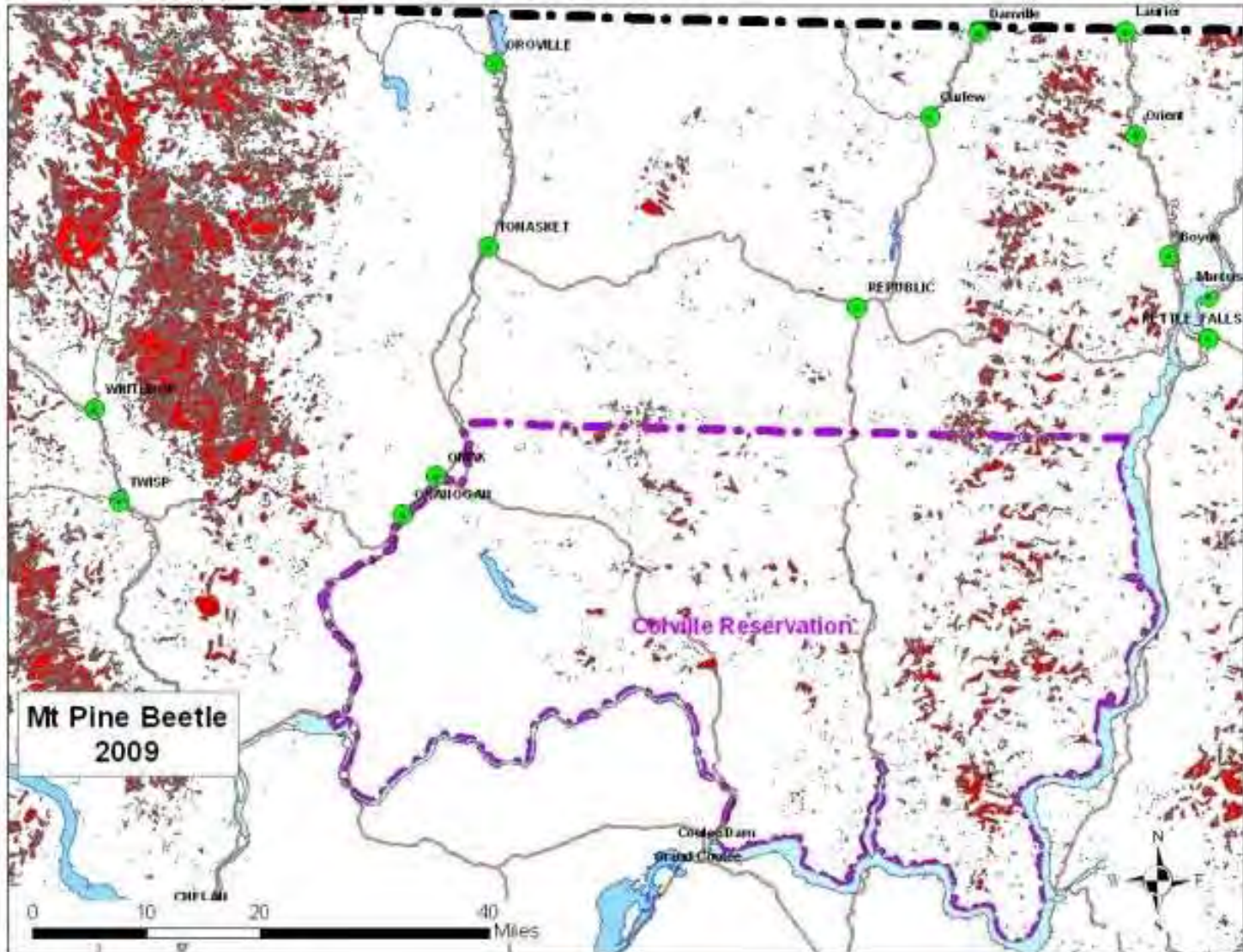
10 5 0 10 Miles



# Infestation 1999



# Infestation 2009







*(C) RoughCountryPhotography*













A photograph showing the aftermath of a forest fire. The ground is covered in a layer of snow, with some charred logs and debris scattered around. In the background, a dense forest of tall, thin, charred trees stands against a clear blue sky. The text "LOONEY CREEK FEB 22, 2016" is overlaid in red on the lower part of the image.

LOONEY CREEK FEB 22, 2016



LOONEY CREEK FEB 22, 2018



































3253

6.0

5.2

6.1

12.4

5.3

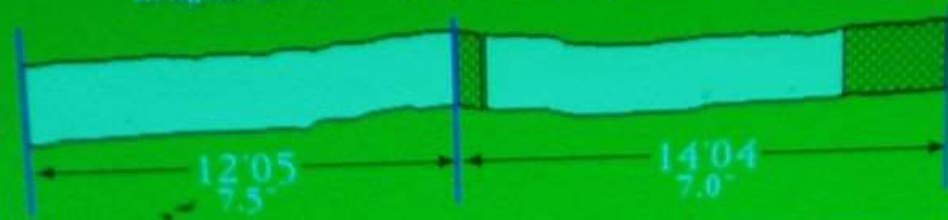
9



# OPERATION SCREEN 1 --> BUCKING SOLUTIONS

## RIGHT LINE

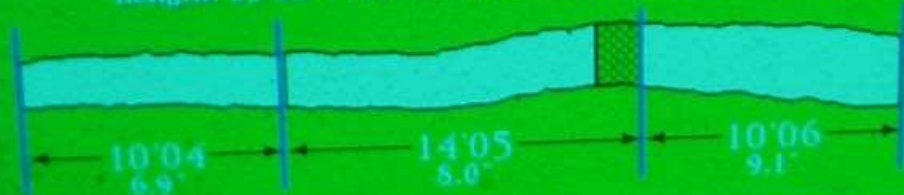
Length: 26'09" Volume: 8.194ft<sup>3</sup> Species: #5 Larch



SYNCHRONIZED

## LEFT LINE

Length: 35'03" Volume: 14.250ft<sup>3</sup> Species: #5 Larch



SYNCHRONIZED

## MISCELLANEOUS

Plans in memory: 3

Current species:

#5 Larch

Back label:

Going to right line

## MINI REPORT

LOGS

Number: 732

Volume: 2090.043

LOGS

Number: 945

Volume: 5094.043

Length: 10273.14

MINING AND OPERATING

Number of materials: 26

Status in memory: 0

0:01:40

SERIAL UPLOAD  
PART ONE

NOT TRANSMITTING



SERIAL UPLOAD  
PART TWO

TRANSMITTING



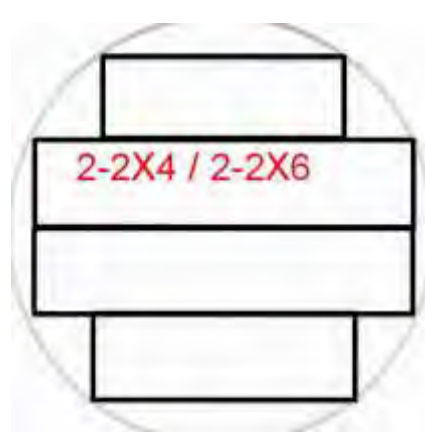
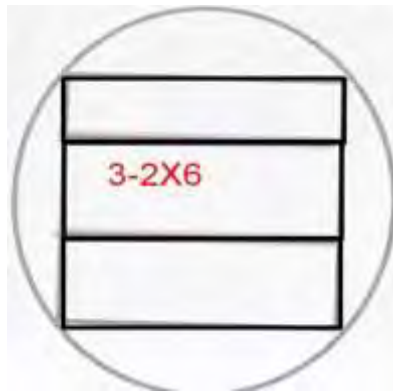
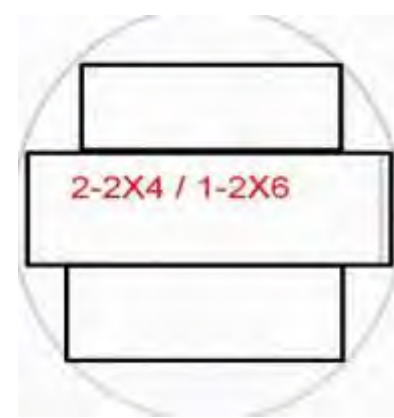
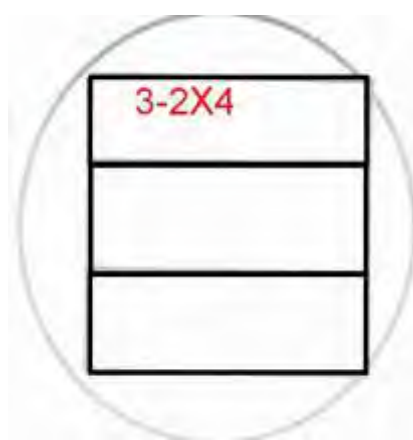
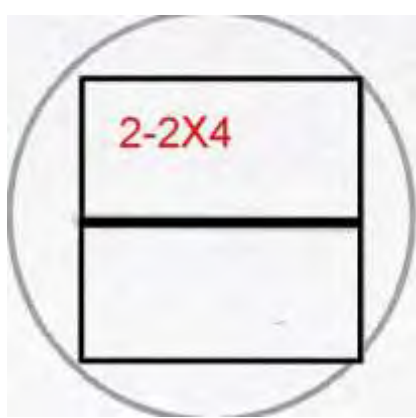
BUILD RATE

14 76200 115200

15 15200 115200

System Check: Ok















PORTER

ENGINEERING RICHMOND B.C.











































# Ground to Merch scale comparison



# VOLUME SCALED (11 YEARS)

TOTAL LOGS SCALED	3,751,532
	LONG SHORT
Log count	2,267,986 1,483,546
Ave. top	6.73" 5.28"
Ave length	31.45' 16.32'









- 
- 1 DECK NUMBER  
2 SPECIE  
3 PRODUCT  
4 LENGTH  
5 HEIGHT

TRI-PULSE 360R  
ALLEGRO CX HANDHELD  
25 FOOT TAPE MEASURE

LENGTH X WIDTH = AREA (AVE. WIDTH IS FACTORED INTO FORMULA)  
AREA / 56 = LOADS OF LOGS IN THE DECK  
# OF LOADS X AVE SCALE OF PRODUCT = DECK VOLUME



$((\text{LENGTH} \times \text{HEIGHT}) / 56) * \text{LOAD BOARD FT.}$

$((1/2 \text{ BASE}) \times \text{HEIGHT}) / 56 * \text{LOAD BOARD FT}$



17 layers x 2 = 34  
34 x 2 = 68 loads  
68 loads x 4706 = 320024







THE END



Vaagen

Vaagen Bros. Lumber, Inc. || Colville, Washington USA

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**Small Logs. Better Lumber.**