

# Friends of the Columbia Gorge



*Working to ensure that the beautiful and wild Columbia Gorge remains a place apart, an unspoiled treasure for generations to come.*



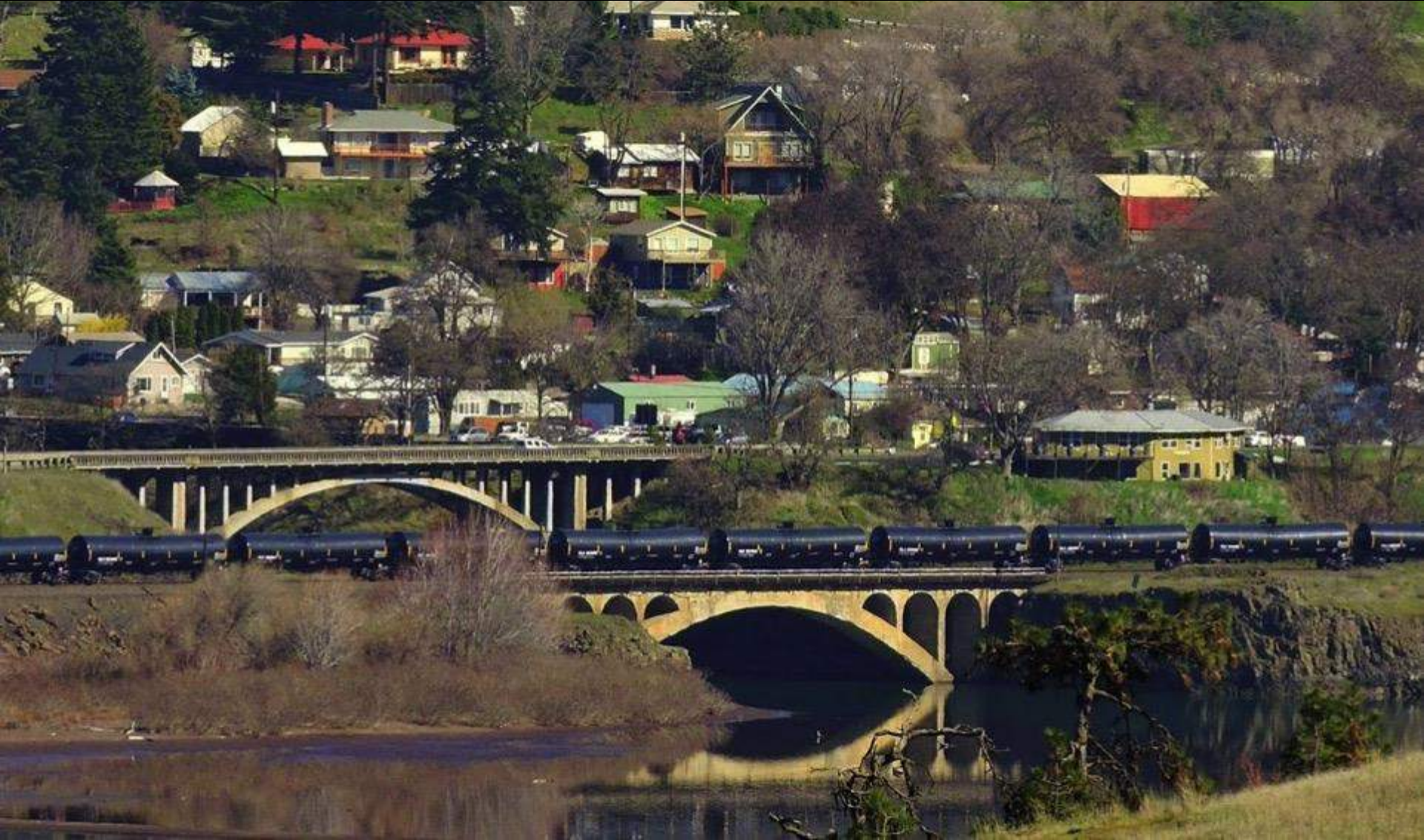




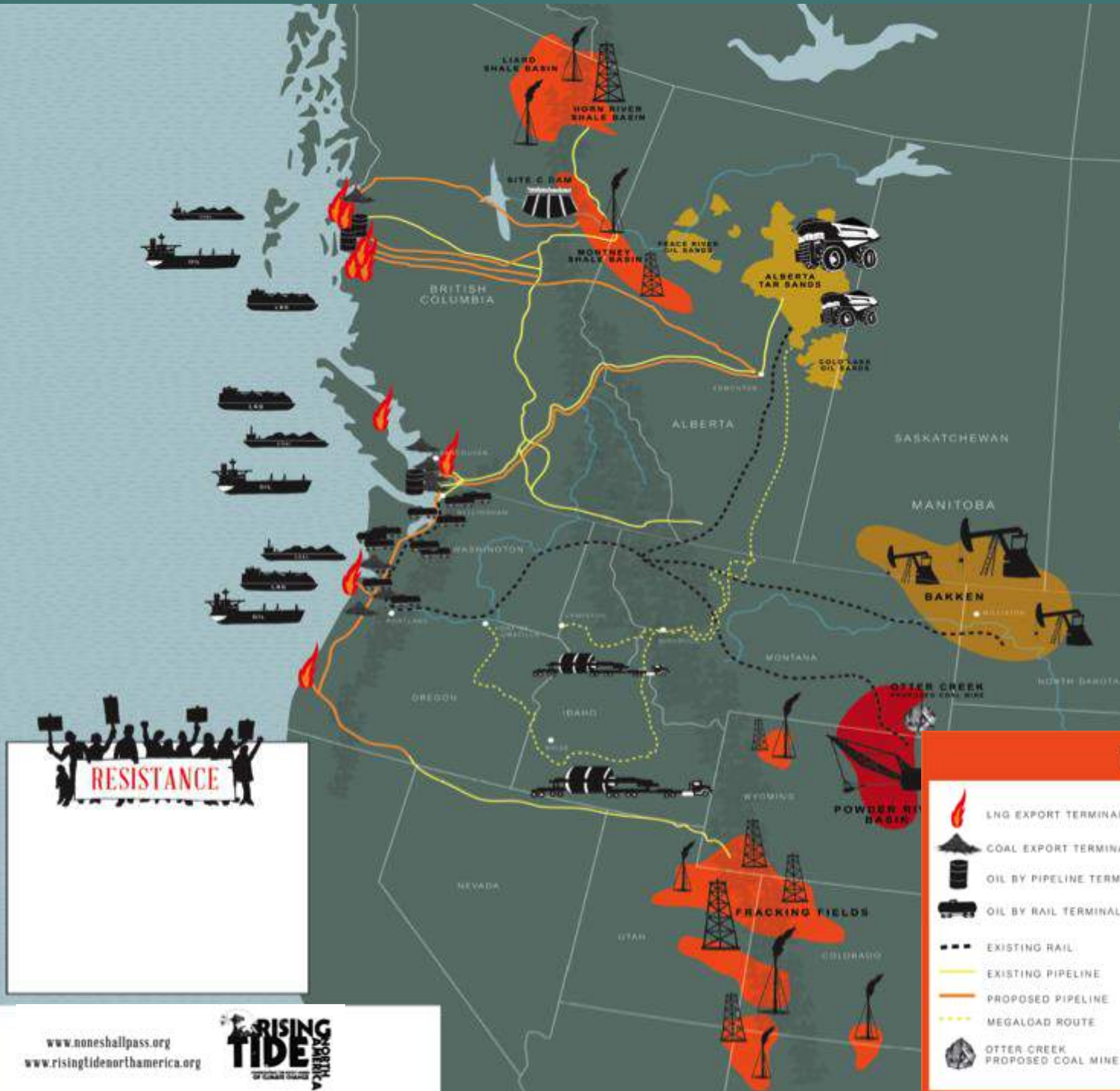




# Oil Trains in the Columbia River Gorge:



# Oil, Coal & Gas Rail and Pipeline Routes



LEGEND			
	LNG EXPORT TERMINAL		COAL EXTRACTION SITE
	COAL EXPORT TERMINAL		GAS EXTRACTION SITE FRACKING
	OIL BY PIPELINE TERMINAL		OIL EXTRACTION SITE
	OIL BY RAIL TERMINAL		OIL EXPORT TANKER
	EXISTING RAIL		COAL EXPORT BARGE
	EXISTING PIPELINE		LNG EXPORT BARGE
	PROPOSED PIPELINE		PROPOSED SITE C DAM
	MEGALOAD ROUTE		
	OTTER CREEK PROPOSED COAL MINE		

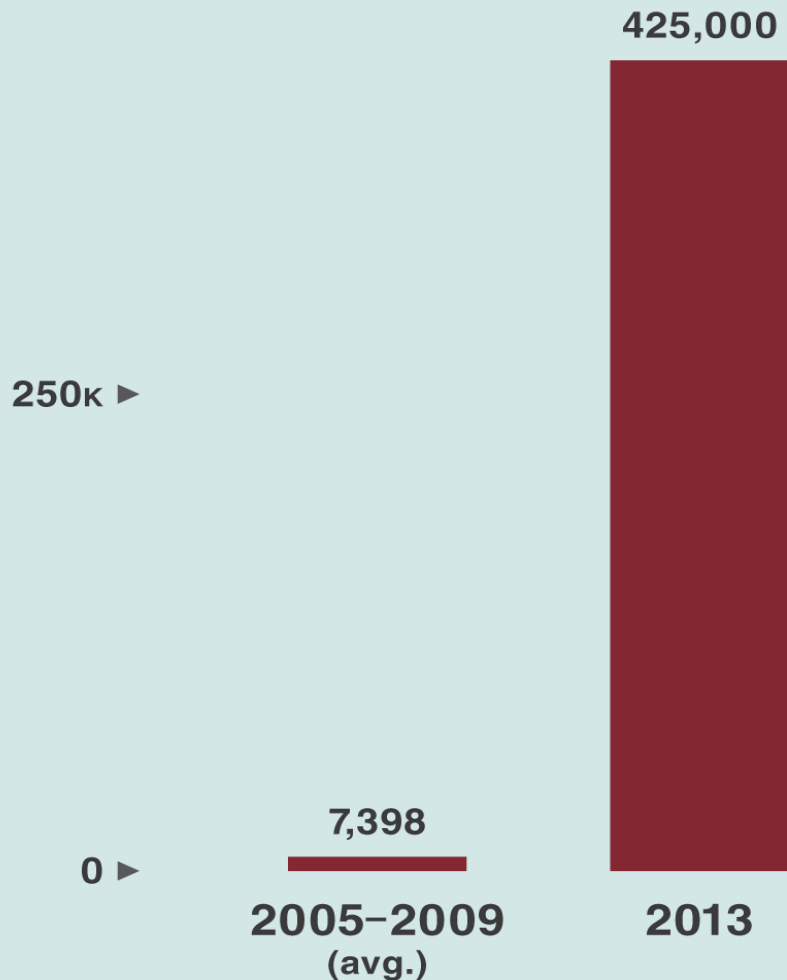


# Current Crude Oil-by-Rail Projects



# Growth in oil-by-rail shipments

CARLOADS  
OF CRUDE  
OIL  
500k ▶



Railroads are  
moving  
**57 times**  
more oil annually  
than they were  
during the period  
from 2005 to  
2009.

# Volatility of Bakken Oil

- Bakken oil has the volatility of propane
- Oil is not refined on site, cheaper to ship and then refine

## Under Pressure

Investigators are looking into how fast North Dakota crude emits gases and how that contributes to oil-train explosions.

Select types of crude oil that are commonly run in U.S. refineries, by average Reid Vapor Pressure\*

TYPE	ORIGIN	VOLATILITY
North Dakota Sweet	North Dakota	8.56 psi
Brent	North Sea	6.17
Basrah Light	Iraq	4.80
Thunder Horse	Gulf of Mexico	4.76
Arabian Extra Light	Saudi Arabia	4.72
Urals	Russia	4.61
Louisiana Light Sweet	Louisiana	3.33
Forcados	Nigeria	3.16
Oriente	Ecuador	2.83
Cabinda	Angola	2.66

\*Reid Vapor Pressure is a common measurement of how quickly a liquid fuel evaporates and emits gases.

Source: Wall Street Journal analysis of Capline Pipeline data  
The Wall Street Journal



# Lac-Mégantic, Quebec – July 2013



# Aliceville, Alabama – November 2013



# Casselton, ND – December 2013

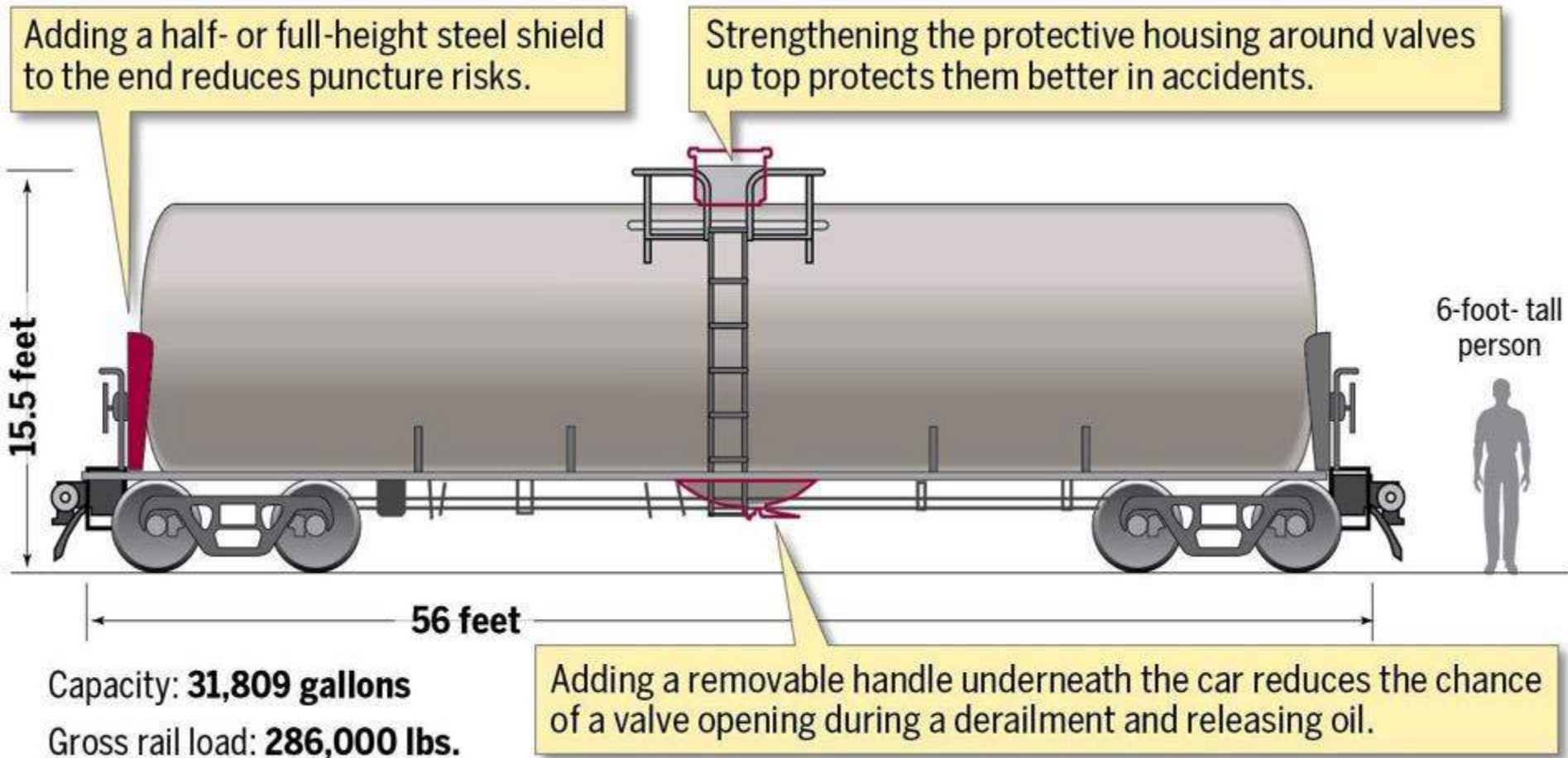


# CPC 1232 - Safer rail cars?

## Making tank cars safer

Estimated price tag for retrofitting a tank car: **\$20,000-\$30,000**

Approximate cost of a new tank car: **\$120,000**





# Lynchburg, VA – April 2014



# Gogama, Ontario



February 2015



March 2015

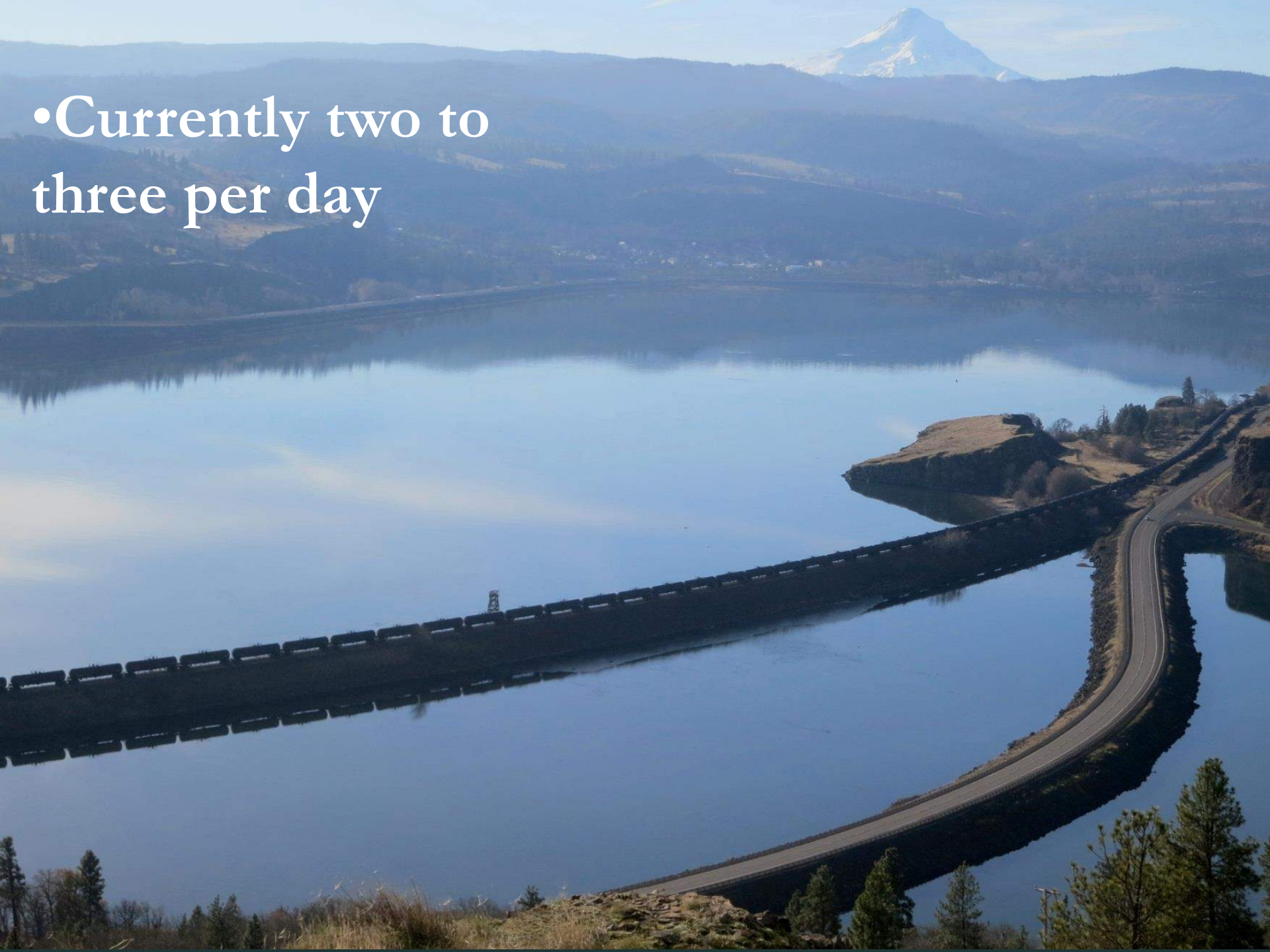
# Mount Carbon, WV – February 2015



# Galena, Illinois – March 2015



• Currently two to three per day



# Oregon rail expansion



Columbia River

WASHINGTON  
OREGON

30

84

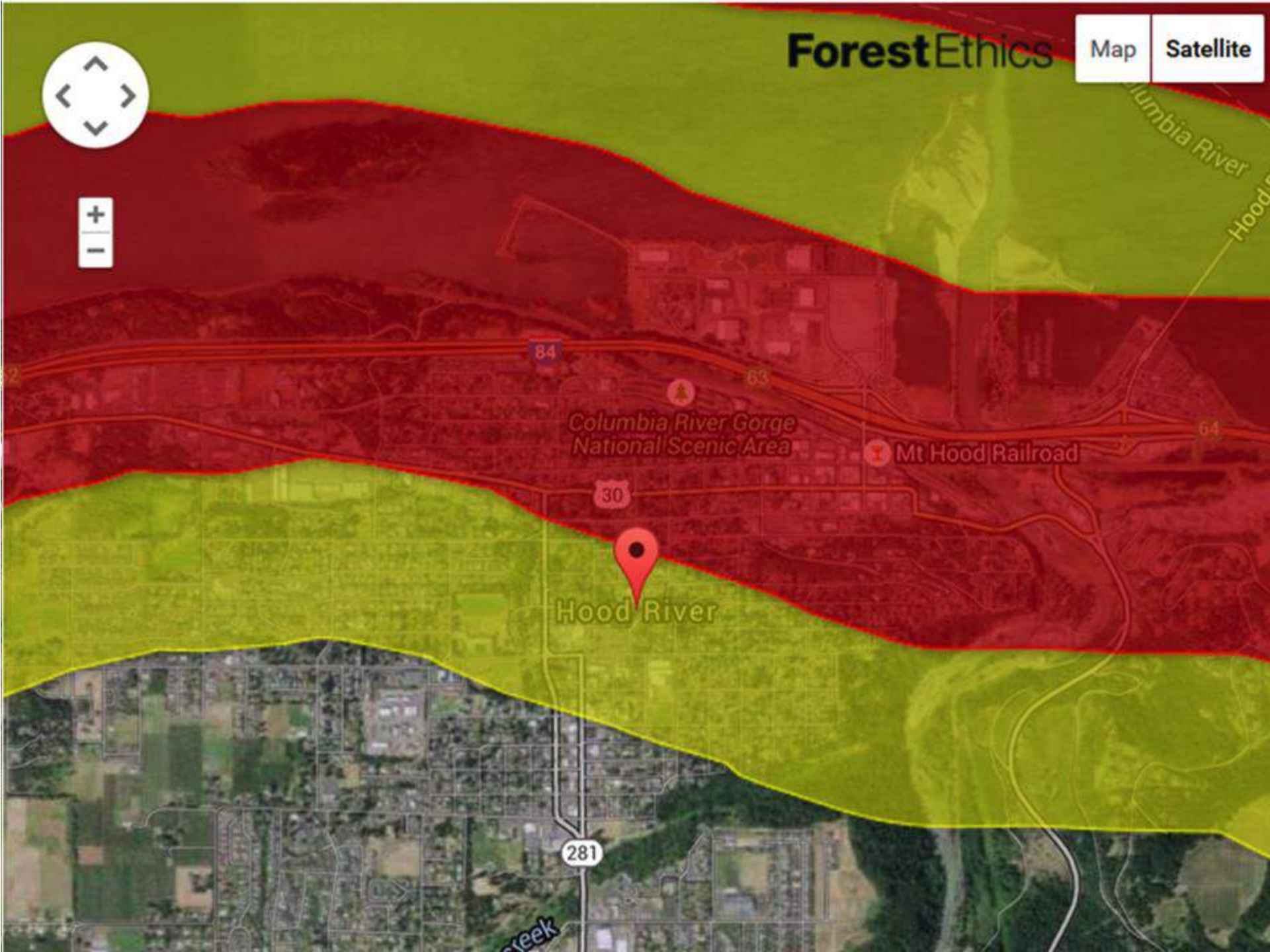
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Benson State  
Recreation Area

Multnomah Falls Lodge

Wahkeena Falls





84

63

64

Columbia River Gorge  
National Scenic Area

Mt Hood Railroad

30

Hood River

281

steek



# Oil Trains on Deschutes River



# Oil Trains Pass by Schools



# Local Communities

Skamania County Pioneer

## Opinion

### OpEd

#### Lac Megantic oil train disaster remembered

*By Amy Weissfeld and Monica Masco*

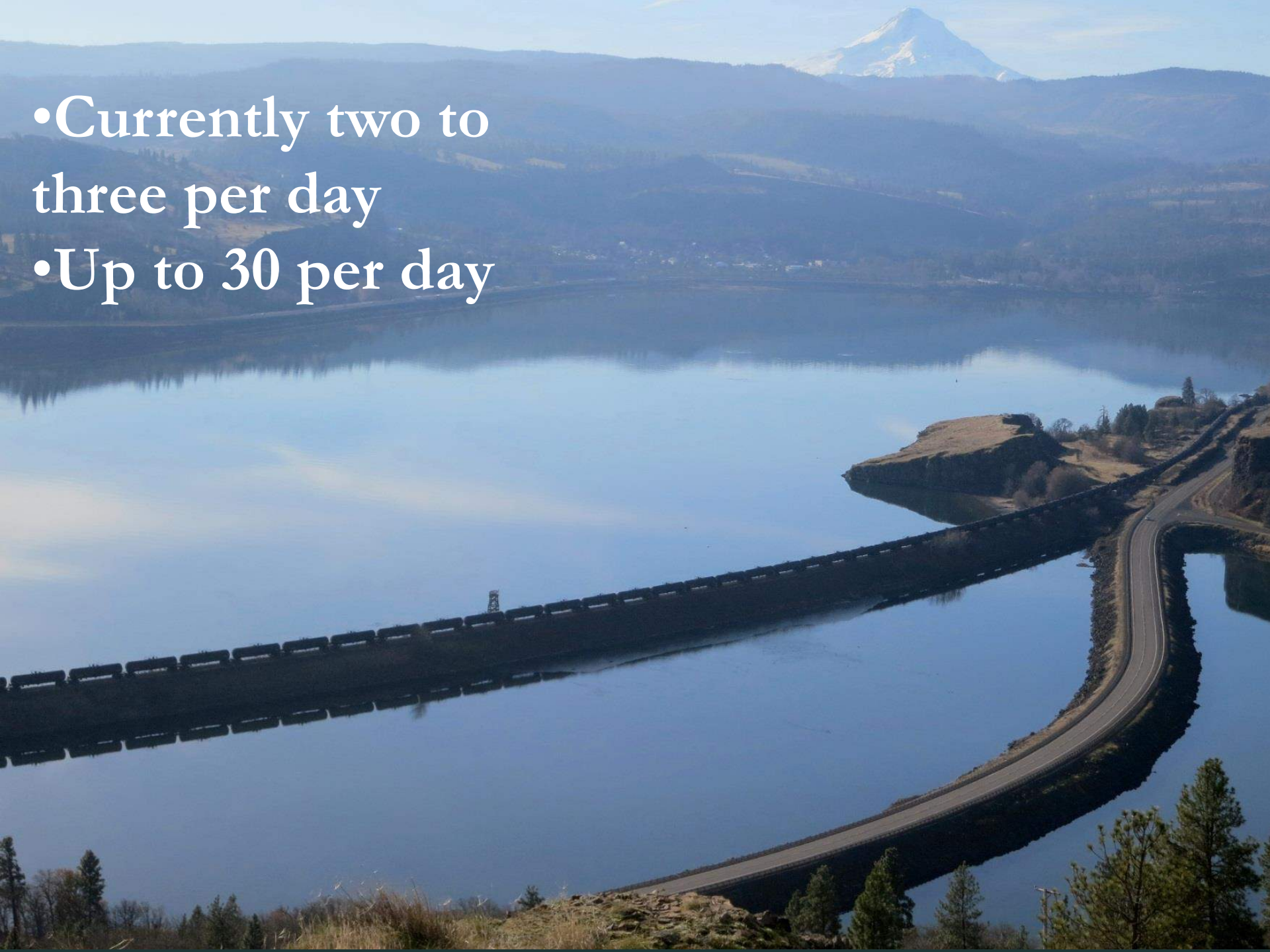
This week marks the anniversary of the tragic oil train disaster in Lac-Megantic, Quebec, which killed 47 people on July 6, 2013. Two years later, Lac Megantic is still

ating residents in the area.

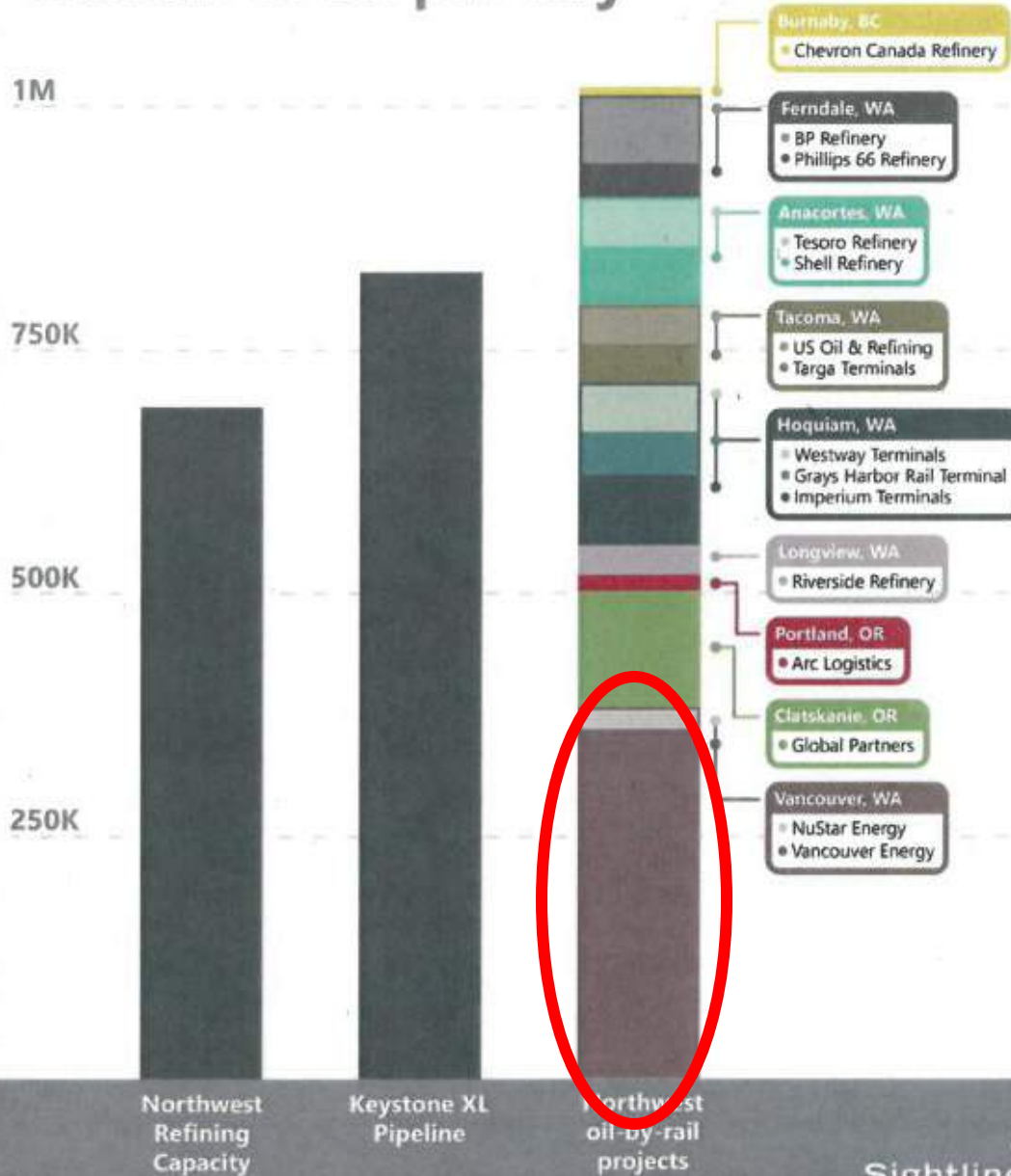
As a reality check on the severity of an oil train derailment and fire, Keith Brown, former Skamania County fire commissioner in the Columbia River Gorge, met in this

through our cities and rural areas. In 2015, the City of Stevenson joined cities across the state in urging the governor to help make oil train safety a top priority. We want more public information, access

- Currently two to three per day
- Up to 30 per day



# Barrels of oil per day



Proposed oil-by-rail projects in the Pacific Northwest

# Vancouver Tesoro Terminal -



Largest oil by rail terminal in the US

# The Vancouver Waterfront

- 
- Former industrial site
  - \$1.3 billion investment
  - 2,500 permanent jobs vs. 50 for terminal
  - Office, retail, green space, public access

# Railroad's clean up plan

*“Let the oil float down to the next dam and clean it up there.”*

-BNSF Hazardous Materials  
Director on about railroad's clean up  
plan if a derailment/spill occurred  
in the Columbia Gorge.  
Oil Train Forum, July 23, 2014,  
White Salmon, WA.



# President Obama speaks out

"There is no place prettier than the Pacific Northwest and we can't afford a spill that could end up having a devastating effect on some of our most beautiful landscapes."

-Interview with KGW-8 reporter Laural Porter,  
April 2, 2015



# Federal Agencies

1. USDOT drafted new safety rules, but expect up to 15 oil train accidents per year under new rules
2. National Transportation Safety Board called rules too weak

# Oregon Senators

**JEFF MERKLEY**

UNITED STATES SENATOR FOR OREGON

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## WYDEN, MERKLEY STATEMENT ON TRANSPORTATION DEPARTMENT OIL TRAINS RULE

Friday, May 1, 2015

*Washington, D.C.* – Oregon Senators Ron Wyden and Jeff Merkley today released the following statement after the Department of Transportation issued a final rule to address the safety of shipping oil-by-rail:

“After years of our urging, the Department of Transportation’s rule includes meaningful steps on rail safety, but does not do enough, or move quickly enough to secure Oregon communities from the risks of flammable oil trains. Instead of providing first responders more details about oil shipments, railroads will simply be required to give our firefighters a phone number. It is disappointing the department has not expanded the amount of public information about oil train routes, despite numerous calls to do so. First responders need more information about dangerous materials moving through their communities, and we will continue to push to meet that need.

“More needs to be done to improve the safety of communities along rail routes and expand transparency

# Washington Senators

Senators Murray and Cantwell introduce 2015 bill:

- Ban dangerous rail tank cars
- Require reduced volatility of oil shipped in rail cars.
- Sen. Cantwell: “Get them off the tracks now.”



# Friends calls for safer oil-by-rail transport

1. Ensure Coast Guard and EPA evaluate impacts of oil-by-rail expansion on endangered species.
2. Called on USDOT to adopt stronger oil-train safety rules.
3. Update oil spill response plans.
4. Petition for emergency rule and comprehensive oil spill response plans.





















BEAVERS  
MOR. CA  
SMRK WATC

BEAVERS  
CS



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