



Presentation to PNWARS Fall Meeting October 11, 2023

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## Is following this dot good enough?

Managing the supply chain or just tracking your shipment?



Or do you know what's really going on? Do you take action?



### **The State of Network Visibility**

## Network Visibility Uncovers

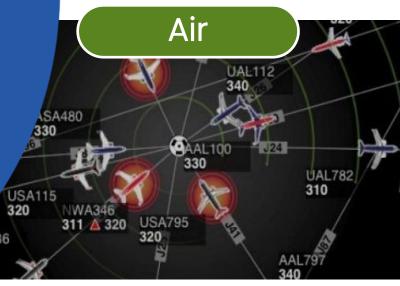
Constrained capacity

Irregular & unreliable service

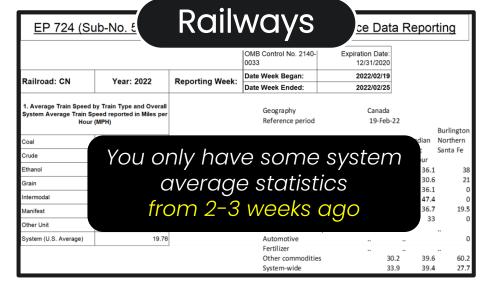
Network congestion

Network disruptions







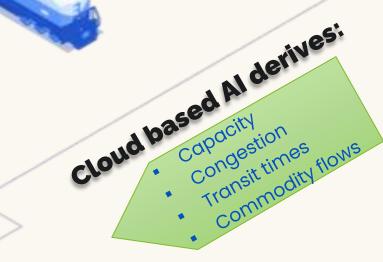




#### **Proprietary RailState Sensor** outside of rail right-of-way

- Rail capacity
- Transit times

**Customer** Data available in one hour



Carnumber

Speed







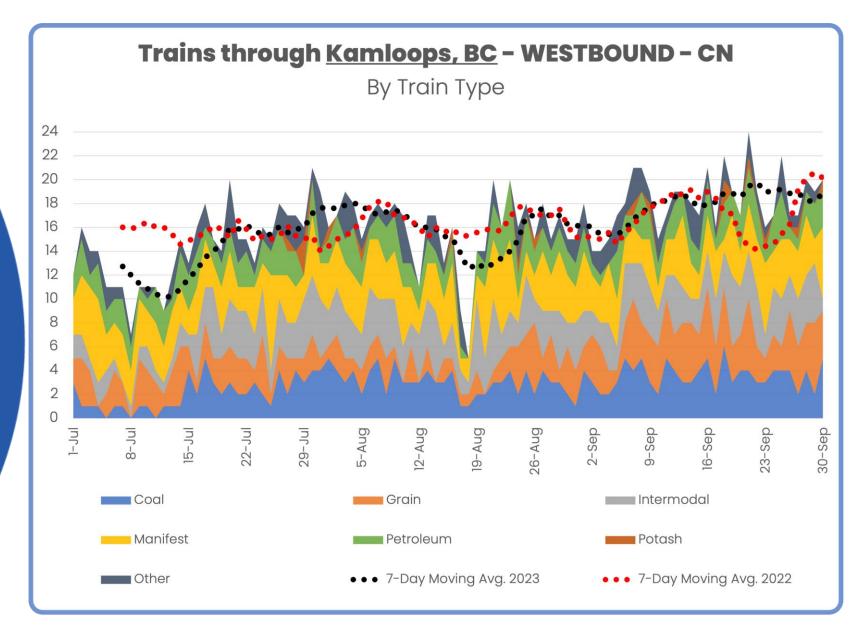


Commodity flows



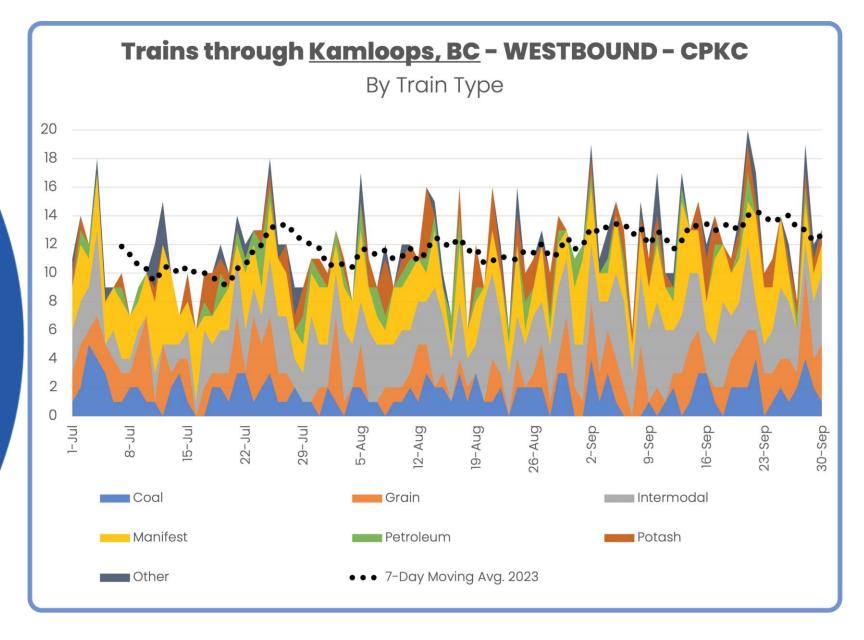


## Kamloops CN



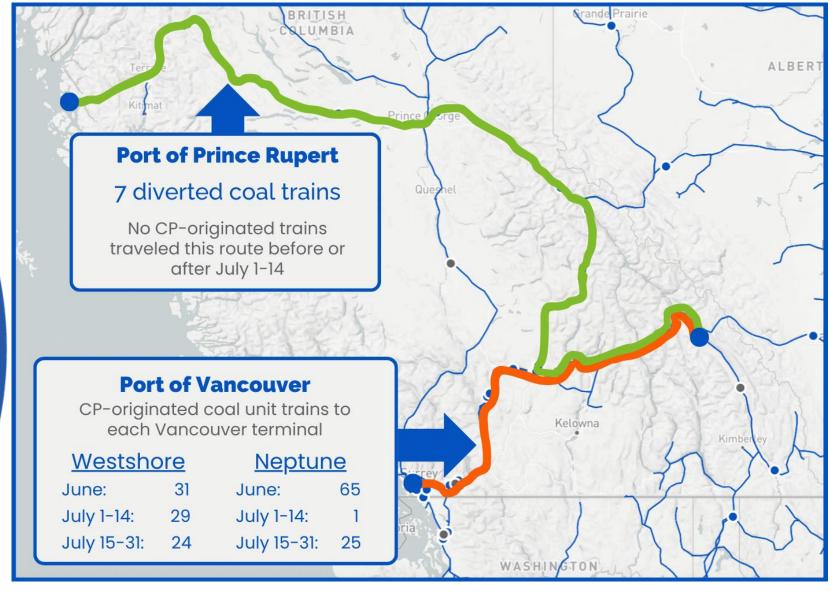


## Kamloops CPKC





# Coal Diverted CP-originated coal unit trains

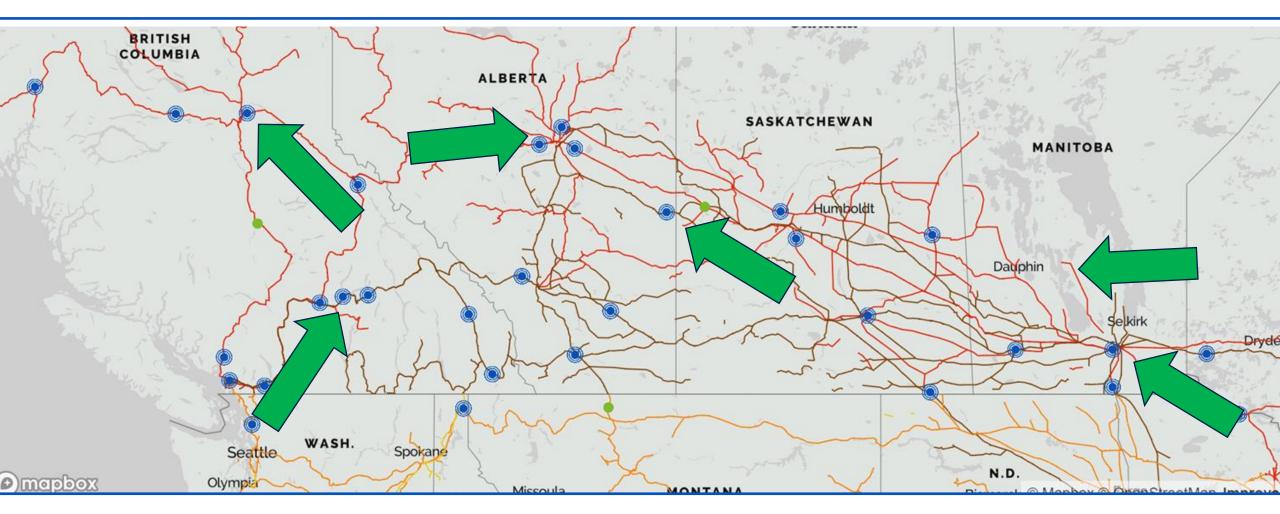


We identified <u>7 trains</u> that took a long route to Prince Rupert during the strike period. No CP-originated coal trains have traveled this route before or since the strike period.



## **Empty Boxcar Flows**

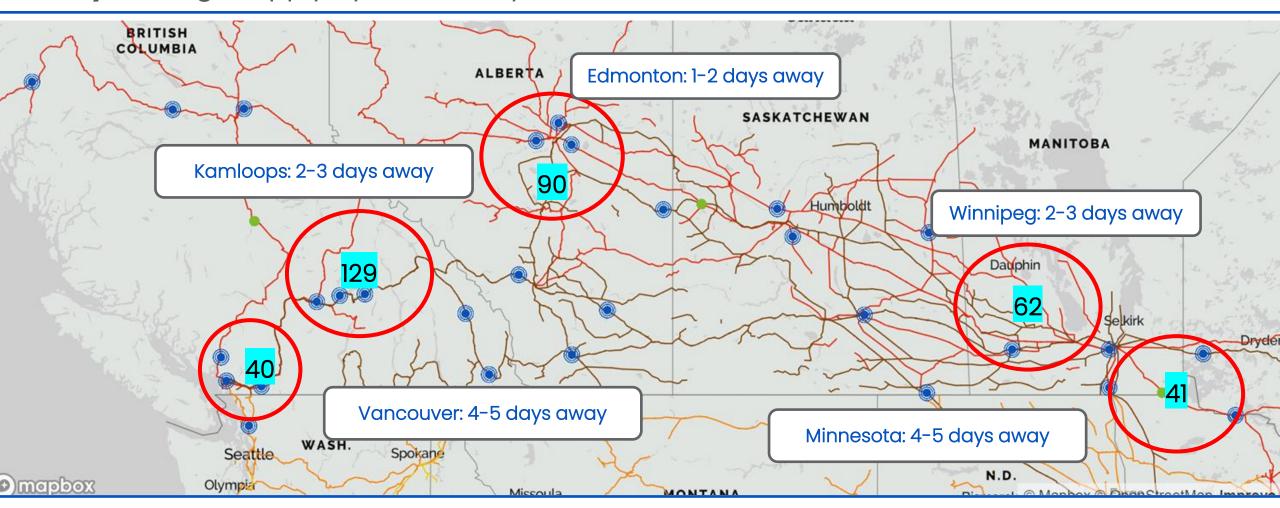
RailState has a view of most car movements in Canada





## **Total Empty Boxcar Pipeline**

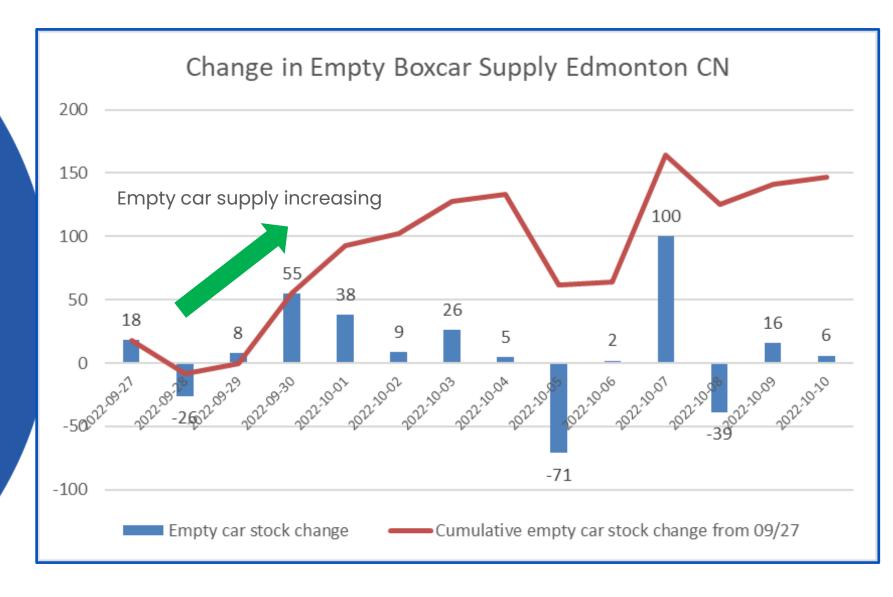
3 Day Average Supply by Zone & Days to Placement at Mills North of Edmonton-CN





## **Each Zone**

Tracking Change in Total Empty Car Supply





# Data Unlocks Value

For Forest Products and Other Rail Customers

### **Plan Effectively**

Know the empty car supply on the network and make decisions about what is coming your way and when

### **Negotiate with Knowledge**

Know the network conditions for more informed car supply discussions with the railway

### **Use the Optionality You've Built**

See problem areas and identify opportunities to plan production and shipments

### **Keep Customers Informed**

Accurate network data lets you provide the service your customers expect

### **Keep Assets Moving**

For private car owners/lessees - assets stay utilized and out of trouble



