

# Grain Monitoring Program

## Weekly Performance Update

January 5, 2021

For Grain Week 21 (2020-21 CY)

### Summary

	Week 21	Week 20	Var. from Last Year	
<b>1. Stocks in Store ('000 tonnes)</b>				
Country Elevators	— 4,112.3	4,112.3	14%	
% of Working Capacity	79%	79%		
Terminal Elevators	— 1,186.9	1,186.9	-7%	
% of Working Capacity	61%	61%		
<b>2. Country Deliveries ('000 tonnes)</b>				
Country Deliveries	— 921.8	921.8	13%	
<b>3. Railcar Supply to Western Ports (Cars)</b>				
CN Allocation Plan	↓ 2,905	3,900	4%	
CN Unloads	↓ 3,024	3,862	20%	
CP Allocation Plan	n/a	n/a	n/a	
CP Unloads	↓ 2,778	6,087	-27%	
<b>4. Port Performance (Cars)</b>				
Total Weekly Unloads	↓ 5,802	9,949	-8%	
4-Week Rolling Average	↓ 9,062	10,148	n/a	
Var. to 4-Week Rolling Average	↓ -36%	-2%	n/a	
YTD Unloads	↑ 209,371	203,569	24%	
Weekly Out-of-Car Time	↓ 9.4%	11.9%	96.2%	
<b>5. Terminal Shipments Year-to-Date ('000 tonnes)</b>				
Vancouver	↑ 12,671.9	12,264.7	40%	
Prince Rupert	— 2,236.4	2,236.4	14%	
Churchill	— 95.7	95.7	-30%	
Thunder Bay	↑ 4,545.2	4,387.0	6%	
Total Western Canada	19,549.2	18,983.8	27%	
<b>6. Vessels as at Jan 3, 2021</b>				
	<b>Week 22</b>	<b>Week 21</b>	<b>Var. from Last Year</b>	
Vancouver	Vessel Lineup in port	↑ 32	27	-3%
	Vessels Cleared	↓ 7	11	133%
	Vessels Arrived	↑ 12	5	50%
Pr. Rupert	Vessel Lineup in port	↓ 5	7	-38%
	Vessels Cleared	↑ 3	0	50%
	Vessels Arrived	↑ 1	0	-50%
<b>Vessels Inbound Jan 04, 2021 to Jan 10, 2021 (Week 23)</b>				
Vancouver	19			
Prince Rupert	3			
<b>7. Weather</b>				
	<b>Week 21 Actual</b>	<b>Week 22 Actual</b>	<b>Week 23 Forecast</b>	
Winnipeg <-25°C	0	0	0	
Edmonton <-25°C	0	0	0	
Vancouver Days Precip > 8mm	3	0	4	

### Note to readers:

- The data in Sections 1 & 2 reflect the combined Weeks 20 and 21 in CGC Grain Stats Weekly. Total country deliveries over this period were divided evenly between the two weeks.

### 1. Stocks in Store: (Page 2)

- Country stocks remained at 4.11 MMT in Week 21 utilizing 79% of the system's working capacity. Space in primary elevators is good.
- Total western port terminal stocks remained at 1.19 MMT in Week 21, utilizing 61% of the working capacity.

### 2. Country Deliveries: (Page 2)

- Deliveries to primary elevators were 0.92 MMT in Week 21.

### 3. Railcar Supply: (Page 3)

- Railcar allocation plans are supplied by CN to Week 23 2020-21 (see page 3 for details).

### 4. Port Performance: (Page 4)

- Total western port unloads were 36% lower than the 4-week moving average and 8% lower than Week 21 last year.
- West Coast unloads were 5,170 cars (Vancouver 4,449 and Prince Rupert 721), 27% lower than the 4-week moving average and 15% higher than Week 21 last year.
- Thunder Bay unloads were 632 cars, 68% lower than the 4-week moving average and 65% lower than Week 21 last year.
- Year-to-date total western port unloads are 24% higher than the same period last year. The corresponding tonnage is 25% higher than the same period last year.
- The total average terminal out-of-car time (OCT) decreased to 9.4% from 11.9% in the previous week. The OCT for Week 21 was 7.8% at Vancouver and 12.9% at Thunder Bay. At the time of publishing, Prince Rupert has not yet reported Week 21 OCT.

### 5. Shipments: (Page 5)

- Year-to-date Western Canadian shipments from port terminal elevators at Week 21 are 27% higher than the same period last year and 16% higher than the 3-year average.
- The Great Lakes – St. Lawrence Seaway System closing of navigation with final clearance dates based on case-by-case permissions:
  - Montreal – Lake Ontario Section – Dec. 24  
All vessels must clear by Dec. 31
  - Welland Canal – Dec. 26  
All vessels must clear by Jan. 8
  - Sault Ste. Marie Locks and Canal – Jan. 15

### 6. Vessels: (Page 5)

- Week 22 lineup at Vancouver increased to 32 vessels (The current one-year average at Vancouver is 25 vessels). Of the 32, 11 were at berth, 9 were anchored at English Bay, 1 was anchored at Burrard Inlet, and 11 were anchored at Vancouver Island.
- Prince Rupert vessel lineup decreased to 5 vessels (The current one-year average at Prince Rupert is 5 vessels).
- Vessels cleared from Vancouver were 7, and from Prince Rupert were 3 in Week 22 of the 2020-21 crop year.

### 7. Weather: (Page 6)

- Temperatures across the prairies are forecasted to remain above -25C. Railways are not expected to invoke their winter operating plans.

## 1. Stocks in Store

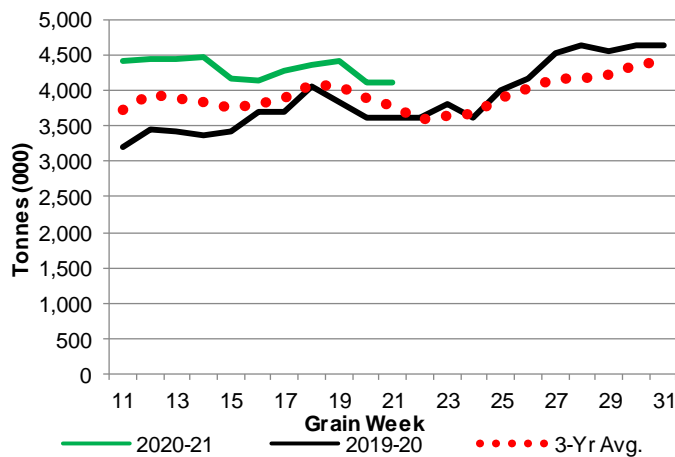
### 1-A1 Country Stocks ('000 tonnes) – Week 21

	MB	SK	AB	BC	Total
2020-21	770.7	2,082.3	1,239.9	19.4	4,112.3
2019-20	588.4	1,869.2	1,130.7	20.1	3,608.4
3-Yr Avg.	686.8	1,931.0	1,145.6	20.2	3,783.6
Var % - LY	31%	11%	10%	-3%	14%
Var % 3-Yr Avg.	12%	8%	8%	-4%	9%
Storage Capacity	1,574.0	4,071.0	2,353.8	36.7	8,035.5
Estimated Working Capacity	1,023.1	2,646.2	1,530.0	23.9	5,223.2
20-21 % of Wkg Cap	75%	79%	81%	81%	79%

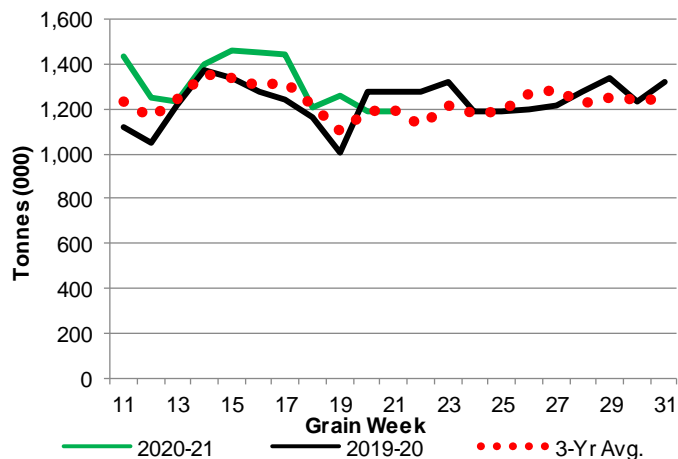
### 1-B1 Terminal Stocks ('000 tonnes) – Week 21

	VC	PR	West Coast	CH	TB	Total
2020-21	599.5	127.1	726.6	0.7	459.6	1,186.9
2019-20	699.5	130.4	829.9	0.7	444.6	1,275.2
3-Yr Avg.	599.1	121.3	720.4	0.7	479.9	1,201.0
Var % - LY	-14%	-3%	-12%	0%	3%	-7%
Var % 3-Yr Avg.	0%	5%	1%	0%	-4%	-1%
Storage Capacity	1,290.5	209.5	1,500.0	140.0	1,127.5	2,767.5
Estimated Working Capacity	903.4	146.7	1,050.1	98.0	789.2	1,937.3
20-21 % of Wkg Cap	66%	87%	69%	1%	58%	61%

### 1-A2 Weekly Country Stocks in Store



### 1-B2 Weekly Terminal Stocks in Store

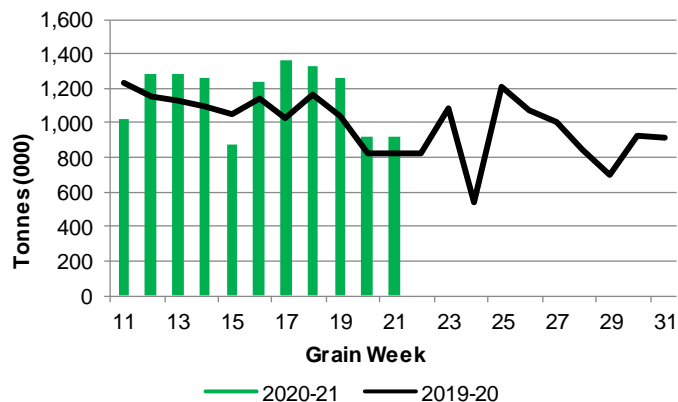


## 2. Country Deliveries

### 2-A Country Deliveries ('000 tonnes) – Week 21

	MB	SK	AB	BC	Total
2020-21	153.7	497.5	265.5	5.2	921.8
2019-20	113.1	458.0	240.2	6.7	818.0
4 Wk Avg	184.1	605.6	314.2	5.9	1,109.8
Var % to Last Year	36%	9%	11%	-23%	13%
Var % To 4 Wk Avg	-17%	-18%	-16%	-13%	-17%

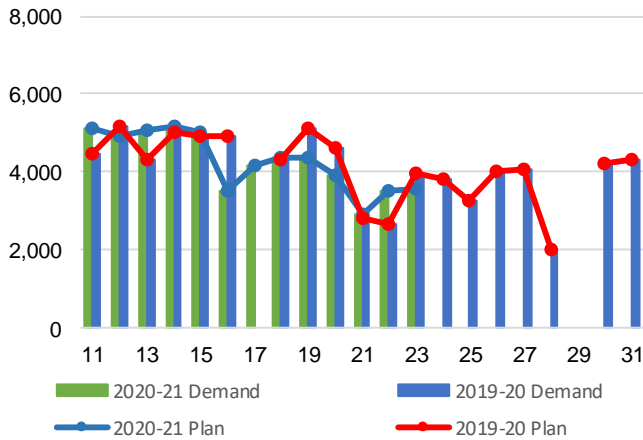
### 2-B 2019-20 Weekly Country Deliveries



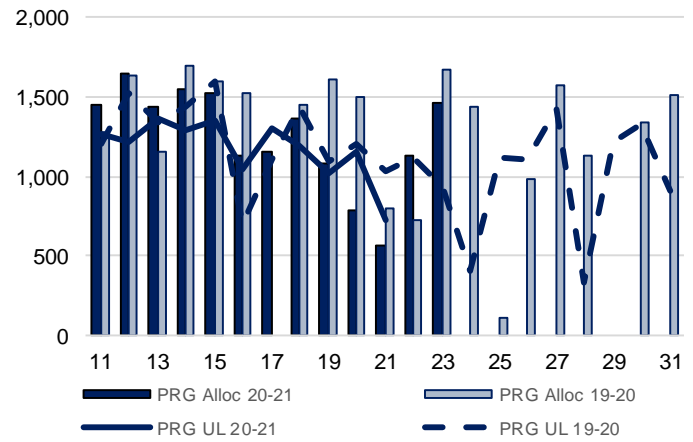
### 3. Railcar Supply

**Special Note to readers:** CP discontinued publishing weekly railcar spotting plans in Week 12 2014-15 (GCRS Service Report). CN continues to publish a weekly plan and the graphs below reflect CN's plan to Week 23 2020-21. Note that the orders accepted do not necessarily reflect shipper demand, but rather the railways' acceptance of shippers' car orders. When both railways provide the order fulfillment data requested with the expansion of the GMP mandate, which was announced on February 3, 2014, a complete set of metrics will be presented.

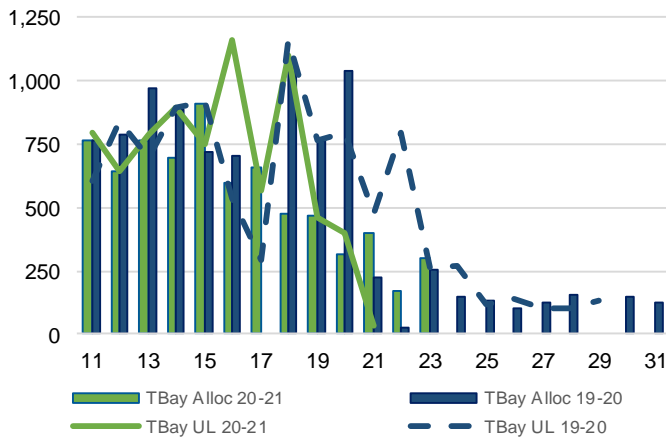
**3-A: Canadian National Planned Car Allocation vs. Demand (cars) To Week 23 2020-21**



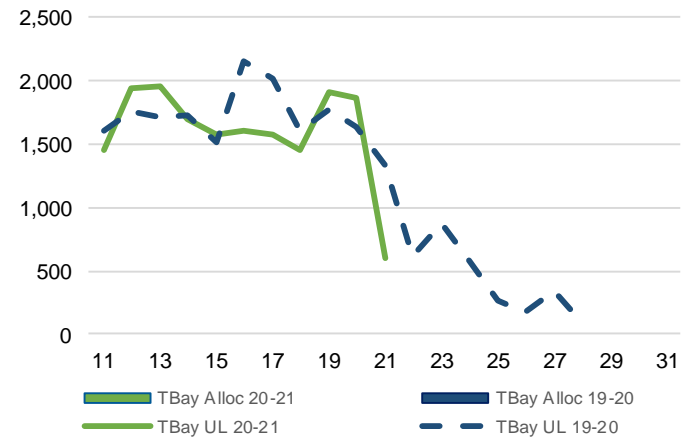
**3-B3: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Prince Rupert**



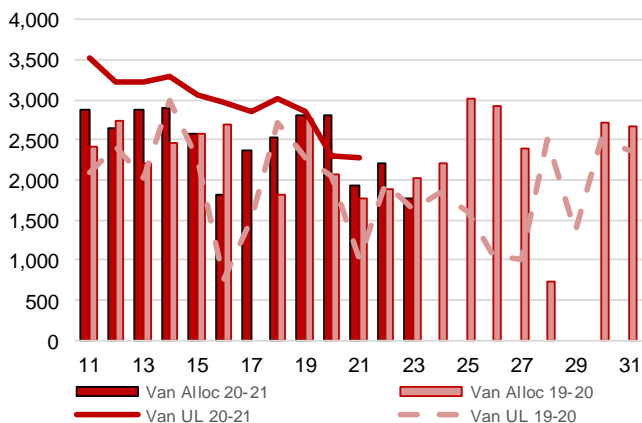
**3-B1: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Thunder Bay**



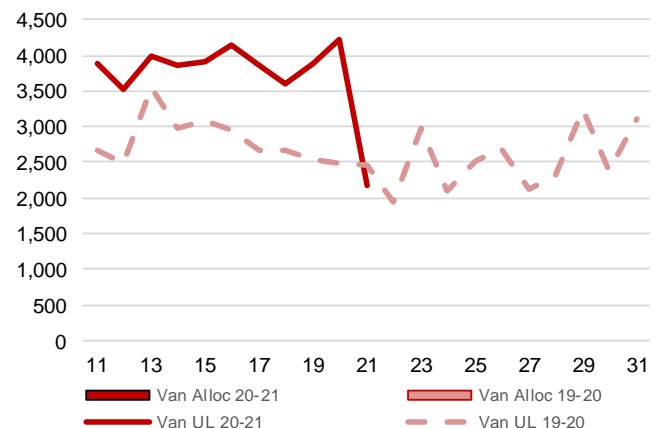
**3-C1: Canadian Pacific Planned Car Allocation to Western Ports vs. Corridor Unloads at Port (cars) – Thunder Bay**



**3-B2: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Vancouver**



**3-C2: Canadian Pacific Planned Car Allocation to Western Ports vs. Corridor Unloads at Port (cars) – Vancouver**



## 4. Port Performance

### 4-A Weekly Unloads by Port (Cars) – This Year for Week 21, 4-Week Moving Average and Variances

	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	4,449	721	5,170	632	-	5,802
2019-20	3,469	1,036	4,505	1,811	-	6,316
4-Wk Avg.	6,084	1,023	7,107	1,955	-	9,062
Var % to Last Year	28%	-30%	15%	-65%	n/a	-8%
Var % to 4-Wk Avg.	-27%	-30%	-27%	-68%	n/a	-36%

### 4-B Terminal Unloads by Port – This Year-to-Date as at Week 21 and Variances

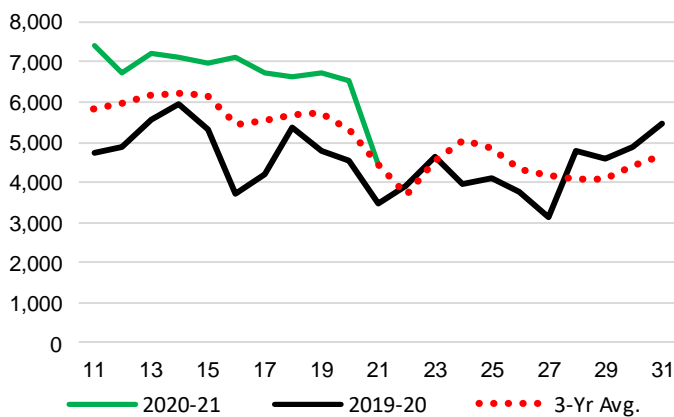
YTD Unloads (cars)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	136,456	24,565	161,021	47,287	1,063	209,371
2019-20	99,993	21,940	121,933	45,415	1,475	168,823
3-Yr Avg	113,402	24,053	137,455	45,075	846	183,377
Var % to Last Year	36%	12%	32%	4%	-28%	24%
Var % to 3-Yr Avg	20%	2%	17%	5%	26%	14%

YTD Unloads ('000 tonnes)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	12,654.3	2,288.5	14,942.8	4,424.3	95.5	19,462.6
2019-20	9,189.4	2,033.9	11,223.3	4,205.3	133.7	15,562.3
3-Yr Avg.	10,405.8	2,236.3	12,642.0	4,196.7	76.4	16,915.1
Var % to Last Year	38%	13%	33%	5%	-29%	25%
Var % to 3-Yr Avg.	22%	2%	18%	5%	25%	15%

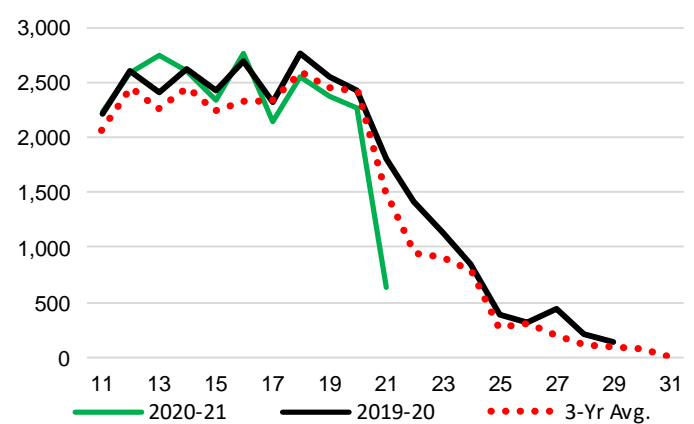
### 4-C Vancouver Unloads (cars)

(This Year vs. Last Year and the 3-Year Average)



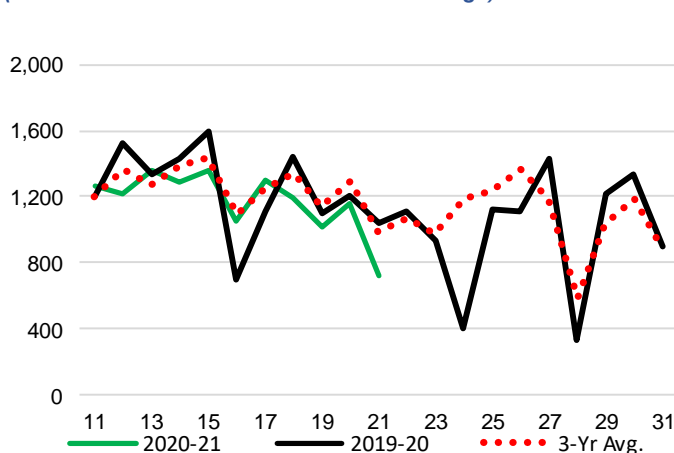
### 4-E Thunder Bay Unloads (cars)

(This Year vs. Last Year and the 3-Year Average)

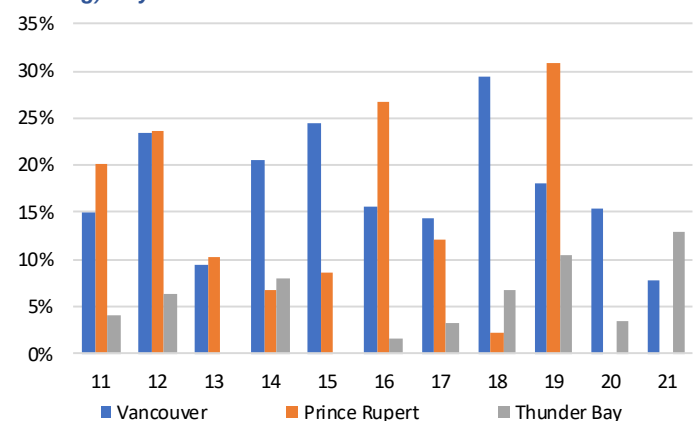


### 4-D Prince Rupert Unloads (cars)

(This Year vs. Last Year and the 3-Year Average)



### 4-F Weekly Out-of-Car Time (% of hours out-of-cars / total hours working) – by Port to Week 21



Out-of-car time is measured weekly and uses data from terminal elevators on the total number of hours the facilities are open & staffed (including overtime hours) and the corresponding number of hours that terminals have no railcars available to unload. The measure is expressed as a percentage (hours without cars to the total number of hours working).

**4-G Monthly Unloads (cars) – This year vs. Last Year and the 3-Year Average to Week 17 2020-21**

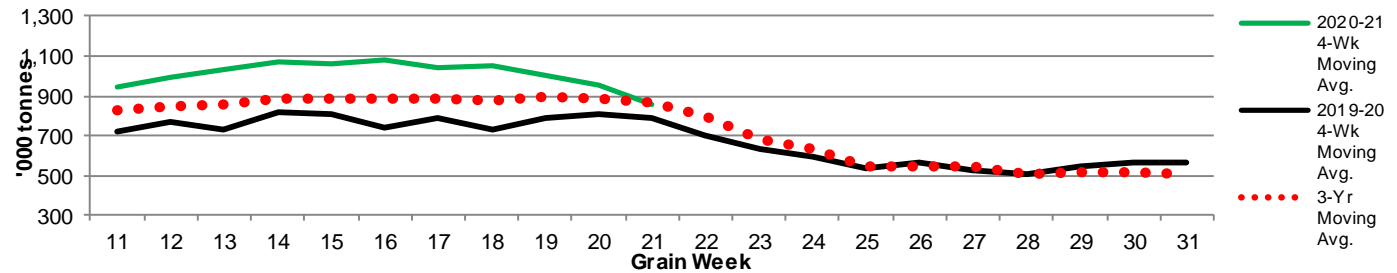
Months	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Weeks	1-4	5-9	10-13	14-17	18-22	23-26	27-30	31-35	36-39	40-43	44-48	49-52
2020-21	35,688	50,352	44,341	42,741	-	-	-	-	-	-	-	-
2019-20	29,814	36,009	36,278	34,190	38,959	22,691	22,522	38,451	39,693	38,265	46,717	34,656
3-Yr Avg.	29,918	42,043	38,668	37,894	39,551	25,789	21,220	33,125	35,354	35,424	39,364	31,147
Var % to Last Year	20%	40%	22%	25%								
Var % to 3-Yr Avg.	19%	20%	15%	13%								

**5. Shipments**

**5-A Shipments from Port Terminals ('000 tonnes) – This Year-to-Date as of Week 21 and Variance to Last Year-to-Date**

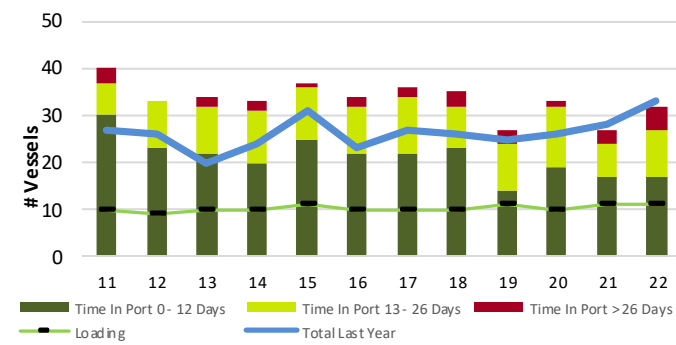
	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	12,671.9	2,236.4	14,908.3	4,545.2	95.7	19,549.2
2019-20	9,066.3	1,962.8	11,029.1	4,280.2	137.2	15,446.5
3-Yr Avg.	10,366.5	2,187.0	12,553.5	4,269.4	86.6	16,909.5
Var % to Last Year	40%	14%	35%	6%	-30%	27%
Var % to 3-Yr Avg.	22%	2%	19%	6%	11%	16%

**5-B Weekly Shipments ('000 tonnes) from Port Terminals - This year 4-Week moving avg. vs. last year 4-Week moving avg. and the 3-Year moving avg.**

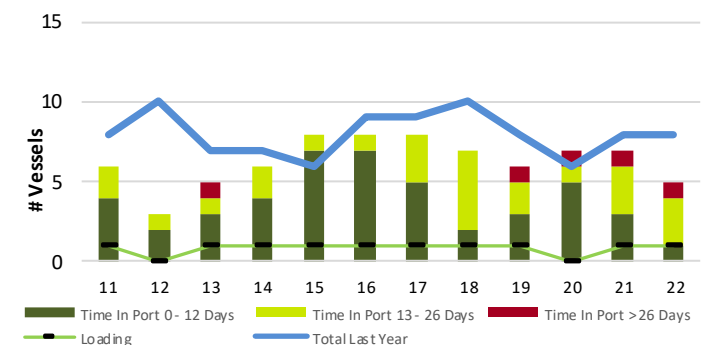


**6. Vessels**

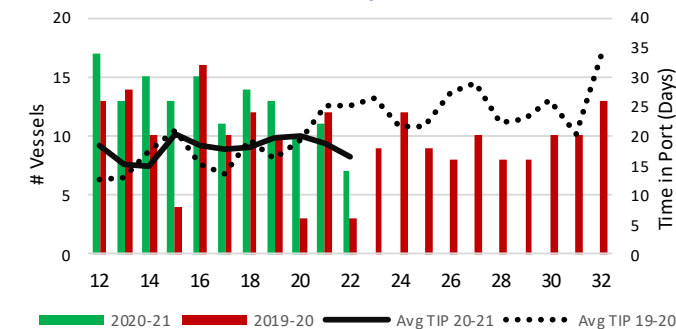
**6-A Vessel Lineup at Vancouver as of Week 22 2020-21**



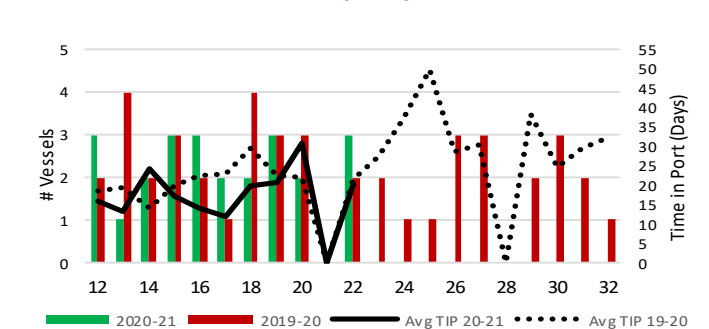
**6-C Vessel Lineup at Prince Rupert as of Week 22 2020-21**



**6-B Vessels Cleared at Vancouver up to Week 22 2020-21**



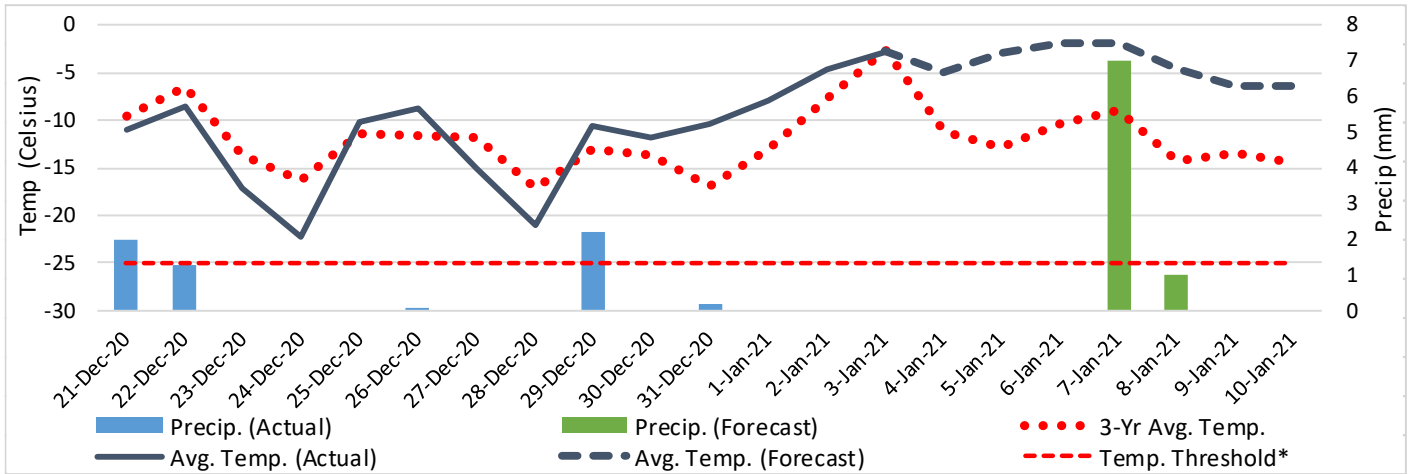
**6-D Vessels Cleared at Prince Rupert up to Week 22 2020-21**



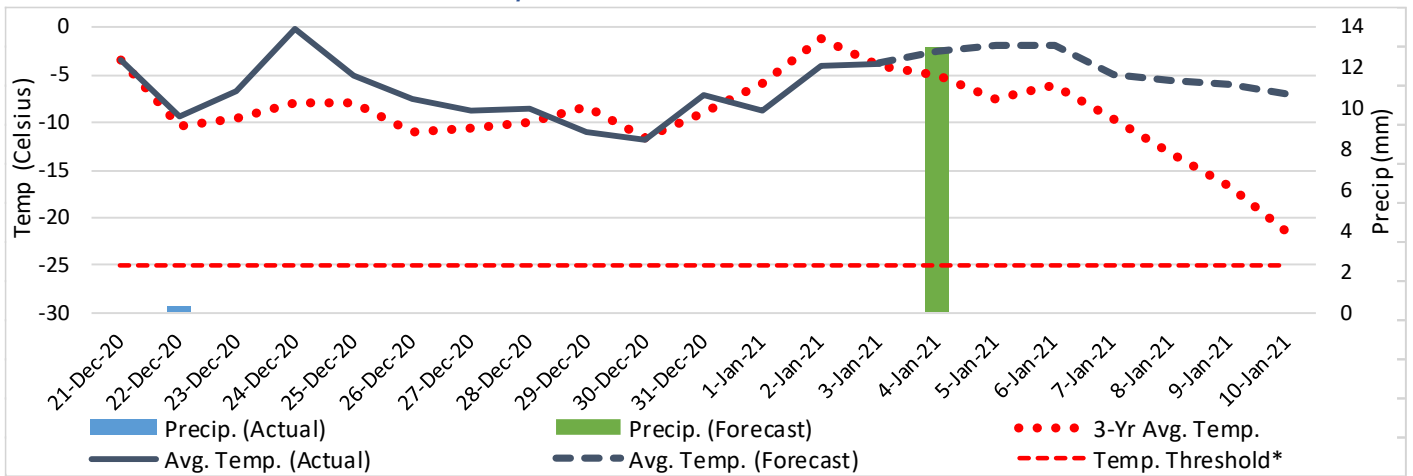
Note: The 'Time in Port' measure for 6-A and 6-C is calculated as how long each vessel in the lineup has been in port as at Sunday 23:59 of that grain week. The 'Avg Time in Port (TIP)' measure for 6-B and 6-D is the average number of days that all vessels which cleared that week were in port. These measures use vessel data provided by the BC Chamber of Shipping and Pacific Pilotage Authority.

# 7. Weather

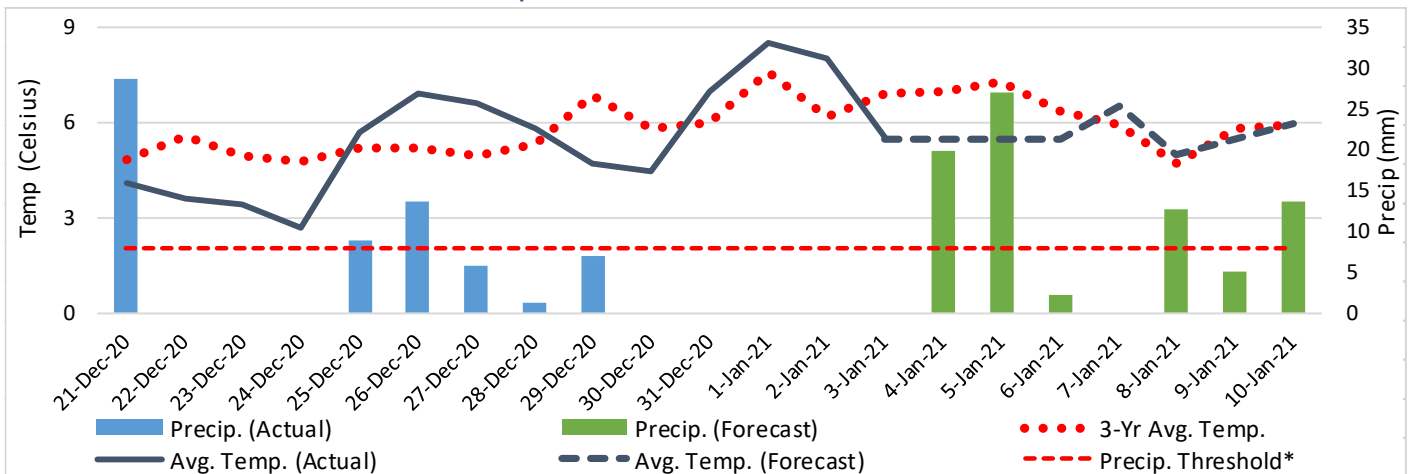
7-A Actual and Forecasted Weather at Winnipeg up to Week 23 2020-21



7-B Actual and Forecasted Weather at Edmonton up to Week 23 2020-21



7-C Actual and Forecasted Weather at Vancouver up to Week 23 2020-21



\*Note: Precip Threshold refers to 8mm of rain. At this level of precipitation, vessel loading may be delayed. The duration of the delay will be dependent on the ship, the duration of rainfall, and the amount of precipitation. 8mm is a general guideline and is not meant to be a definitive limit.

Source: Environment Canada, The Weather Network (Forecast)