

Grain Monitoring Program

Weekly Performance Update

February 16, 2021

For Grain Week 27 (2020-21 CY)

Summary

	Week 27	Week 26	Var. from Last Year	
1. Stocks in Store ('000 tonnes)				
Country Elevators	↑ 4,543.5	4,170.0	0%	
% of Working Capacity	87%	80%		
Terminal Elevators	↓ 1,279.9	1,324.9	6%	
% of Working Capacity	66%	68%		
2. Country Deliveries ('000 tonnes)				
Country Deliveries	↑ 1,245.3	1,023.0	23%	
3. Railcar Supply to Western Ports (Cars)				
CN Allocation Plan	↓ 3,865	3,870	-5%	
CN Unloads	↓ 3,838	4,291	51%	
CP Allocation Plan	n/a	n/a	n/a	
CP Unloads	↑ 3,801	3,312	54%	
4. Port Performance (Cars)				
Total Weekly Unloads	↑ 7,639	7,603	52%	
4-Week Rolling Average	↓ 8,276	8,831	n/a	
Var. to 4-Week Rolling Average	↑ -8%	-14%	n/a	
YTD Unloads	↑ 261,549	253,910	29%	
Weekly Out-of-Car Time	↑ 22.0%	13.5%	-34.2%	
5. Terminal Shipments Year-to-Date ('000 tonnes)				
Vancouver	↑ 16,789.2	16,100.9	44%	
Prince Rupert	↑ 2,977.7	2,900.2	17%	
Churchill	— 95.7	95.7	-30%	
Thunder Bay	— 4,672.2	4,672.2	6%	
Total Western Canada	24,534.8	23,769.0	31%	
6. Vessels as at Feb 14, 2021				
	Week 28	Week 27	Var. from Last Year	
Vancouver	Vessel Lineup in port	↓ 26	31	-37%
	Vessels Cleared	↓ 14	16	75%
	Vessels Arrived	↓ 9	13	-10%
Pr. Rupert	Vessel Lineup in port	— 5	5	-50%
	Vessels Cleared	↓ 1	2	n/a
	Vessels Arrived	↓ 1	3	-50%
Vessels Inbound Feb 15, 2021 to Feb 21, 2021 (Week 29)				
Vancouver	19			
Prince Rupert	4			
7. Weather				
	Week 27 Actual	Week 28 Actual	Week 29 Forecast	
Winnipeg <-25°C	2	7	0	
Edmonton <-25°C	3	5	0	
Vancouver Days Precip > 8mm	3	0	4	

1. Stocks in Store: (Page 2)

- Country stocks increased to 4.54 MMT in Week 27 utilizing 87% of the system's working capacity. Space in primary elevators is good.
- Total western port terminal stocks decreased to 1.28 MMT in Week 27, utilizing 66% of the working capacity.

2. Country Deliveries: (Page 2)

- Deliveries to primary elevators were 1.25 MMT in Week 27.

3. Railcar Supply: (Page 3)

- Railcar allocation plans are supplied by CN to Week 29 2020-21 (see page 3 for details).

4. Port Performance: (Page 4)

- Total western port unloads were 8% lower than the 4-week moving average and 52% higher than Week 27 last year.
- West Coast unloads were 7,503 cars (Vancouver 6,447 and Prince Rupert 1,056), 4% lower than the 4-week moving average and 64% higher than Week 27 last year.
- Thunder Bay unloads were 136 cars, 71% lower than the 4-week moving average and 69% lower than Week 27 last year.
- Year-to-date total western port unloads are 29% higher than the same period last year. The corresponding tonnage is 30% higher than the same period last year.
- The total average terminal out-of-car time (OCT) increased to 22.0% from 13.5% in the previous week. The OCT for Week 27 was 22.0% at Vancouver. At the time of publishing, Prince Rupert had not yet reported their Week 27 OCT.

5. Shipments: (Page 5)

- Year-to-date Western Canadian shipments from port terminal elevators at Week 27 are 31% higher than the same period last year and 17% higher than the 3-year average.
- The St. Lawrence Seaway is now closed for the winter.

6. Vessels: (Page 5)

- Week 28 lineup at Vancouver decreased to 26 vessels (The current one-year average at Vancouver is 26 vessels). Of the 26, 7 were at berth, 12 were anchored at English Bay, 1 was anchored at Burrard Inlet, and 6 were anchored at Vancouver Island.
- Prince Rupert vessel lineup remained at 5 vessels (The current one-year average at Prince Rupert is 5 vessels).
- Vessels cleared from Vancouver were 14, and from Prince Rupert was 1 in Week 28 of the 2020-21 crop year.

7. Weather: (Page 6)

- Daytime and overnight temperatures across the prairies are forecasted to reach below -25C. Railways are expected to invoke their winter operating plans.

1. Stocks in Store

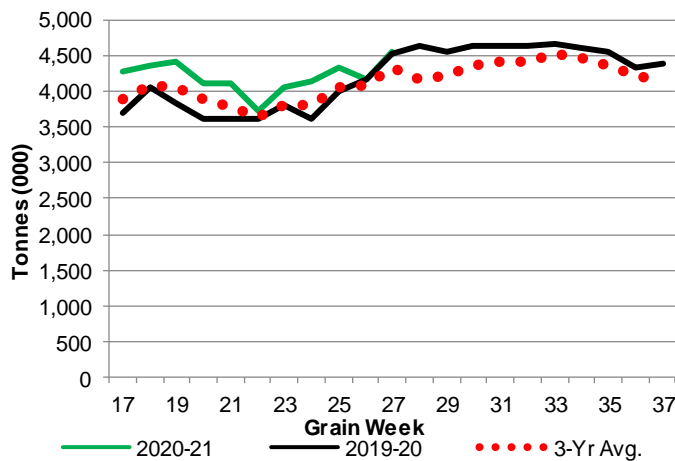
1-A1 Country Stocks ('000 tonnes) – Week 27

	MB	SK	AB	BC	Total
2020-21	867.4	2,265.7	1,387.2	23.2	4,543.5
2019-20	772.7	2,316.1	1,407.7	27.2	4,523.7
3-Yr Avg.	800.3	2,185.8	1,313.3	21.8	4,321.2
Var % - LY	12%	-2%	-1%	-15%	0%
Var % 3-Yr Avg.	8%	4%	6%	6%	5%
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	85%	86%	91%	97%	87%

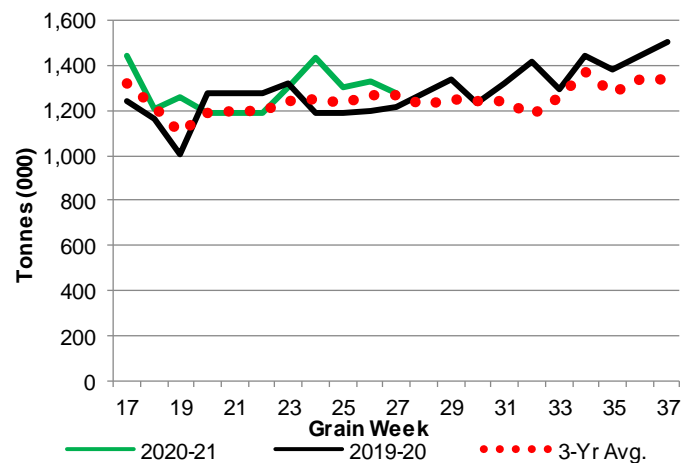
1-B1 Terminal Stocks ('000 tonnes) – Week 27

	VC	PR	West Coast	CH	TB	Total
2020-21	611.5	87.8	699.3	0.7	579.9	1,279.9
2019-20	492.8	111.9	604.7	0.7	605.7	1,211.1
3-Yr Avg.	577.1	106.1	683.1	0.7	587.5	1,271.3
Var % - LY	24%	-22%	16%	0%	-4%	6%
Var % 3-Yr Avg.	6%	-17%	2%	0%	-1%	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	68%	60%	67%	1%	73%	66%

1-A2 Weekly Country Stocks in Store



1-B2 Weekly Terminal Stocks in Store

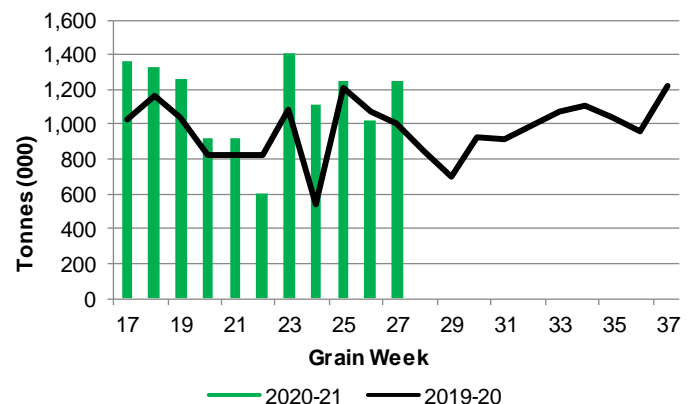


2. Country Deliveries

2-A Country Deliveries ('000 tonnes) – Week 27

	MB	SK	AB	BC	Total
2020-21	175.1	743.1	323.5	3.6	1,245.3
2019-20	102.2	585.0	314.0	8.3	1,009.5
4 Wk Avg	175.4	645.9	331.8	5.1	1,158.1
Var % to Last Year	71%	27%	3%	-57%	23%
Var % To 4 Wk Avg	0%	15%	-3%	-29%	8%

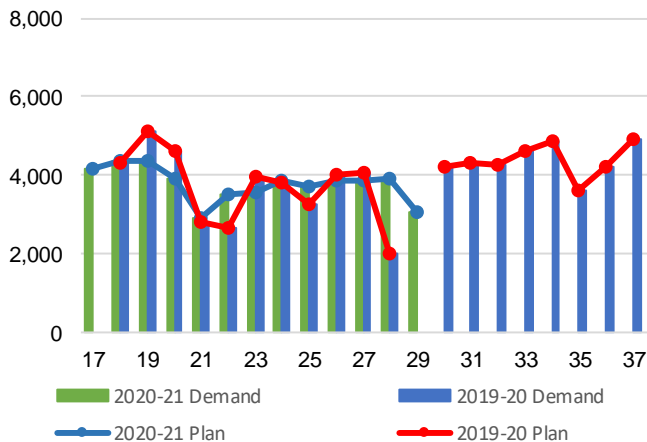
2-B 2019-20 Weekly Country Deliveries



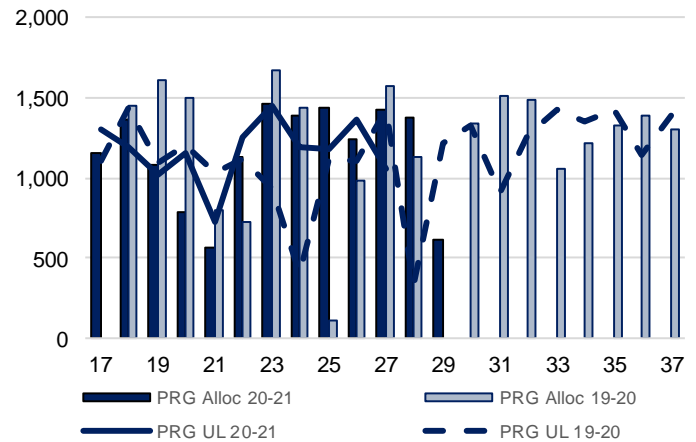
3. Railcar Supply

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 29 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.

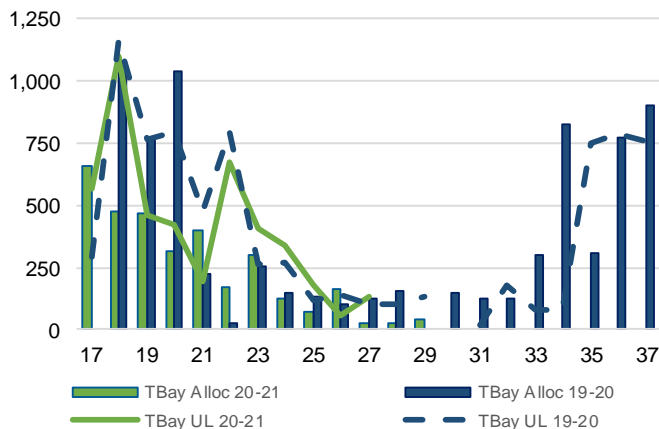
3-A: Canadian National Planned Car Allocation vs. Demand (cars) To Week 29 2020-21



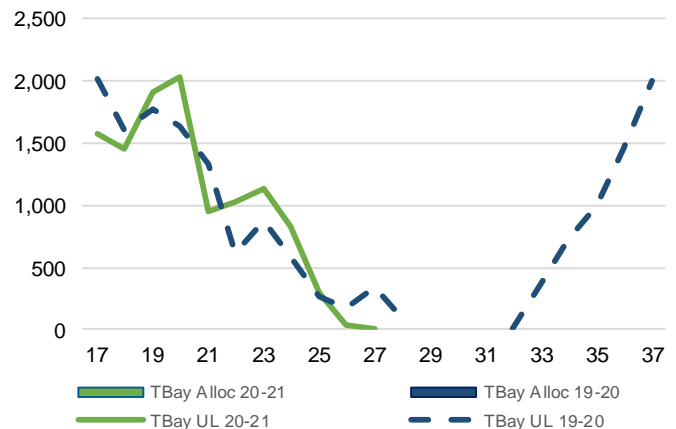
3-B3: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Prince Rupert



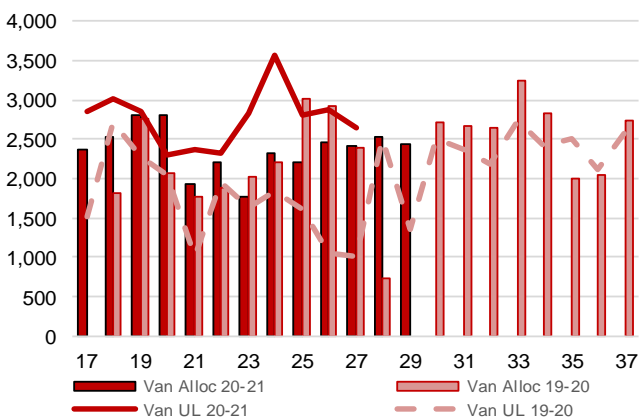
3-B1: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Thunder Bay



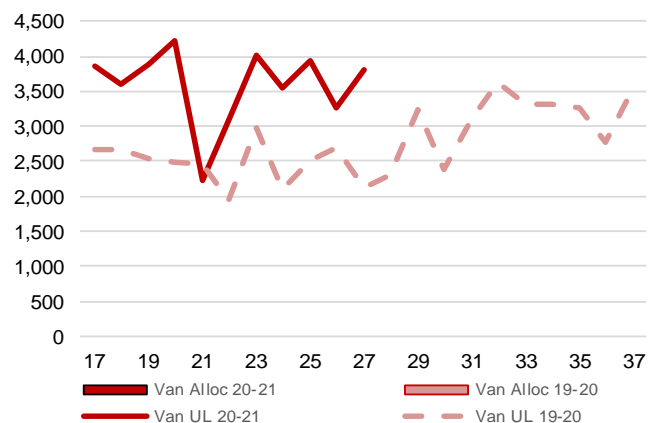
3-C1: Canadian Pacific Planned Car Allocation to Western Ports vs. Corridor Unloads at Port (cars) – Thunder Bay



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 27, 4-Week Moving Average and Variances

	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	6,447	1,056	7,503	136	-	7,639
2019-20	3,142	1,429	4,571	443	-	5,014
4-Wk Avg.	6,611	1,197	7,807	469	-	8,276
Var % to Last Year	105%	-26%	64%	-69%	n/a	52%
Var % to 4-Wk Avg.	-2%	-12%	-4%	-71%	n/a	-8%

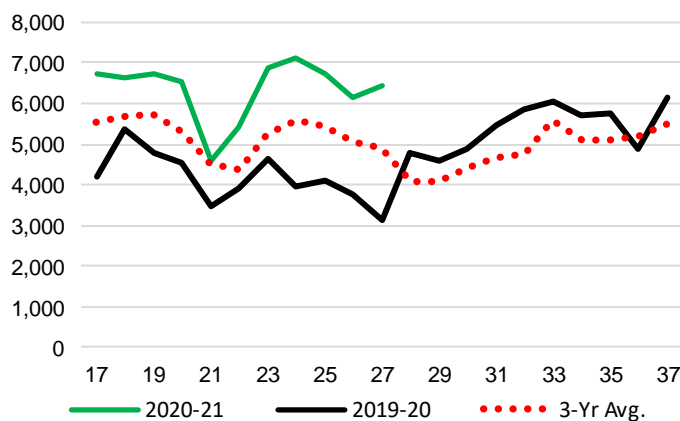
4-B Terminal Unloads by Port – This Year-to-Date as at Week 27 and Variances

YTD Unloads (cars)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	175,320	32,061	207,381	53,105	1,063	261,549
2019-20	123,475	28,055	151,530	49,950	1,475	202,955
3-Yr Avg.	144,067	31,291	175,358	49,943	846	226,147
Var % to Last Year	42%	14%	37%	6%	-28%	29%
Var % to 3-Yr Avg.	22%	2%	18%	6%	26%	16%

YTD Unloads ('000 tonnes)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	16,298.6	2,990.2	19,288.8	4,953.1	95.5	24,337.4
2019-20	11,330.6	2,587.2	13,917.8	4,605.3	133.7	18,656.8
3-Yr Avg.	13,230.4	2,903.5	16,133.9	4,635.5	76.4	20,845.8
Var % to Last Year	44%	16%	39%	8%	-29%	30%
Var % to 3-Yr Avg.	23%	3%	20%	7%	25%	17%

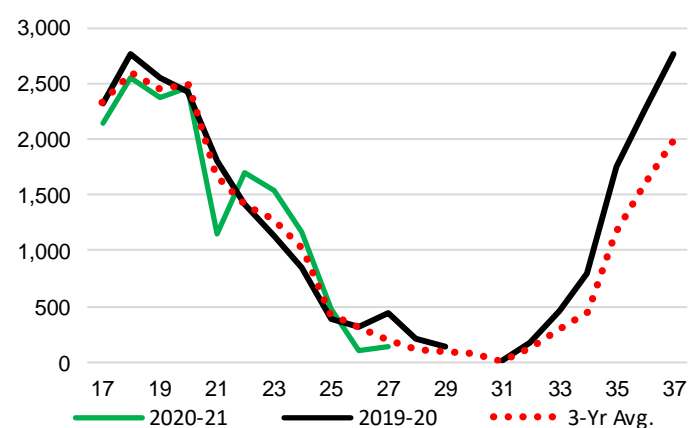
4-C Vancouver Unloads (cars)

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



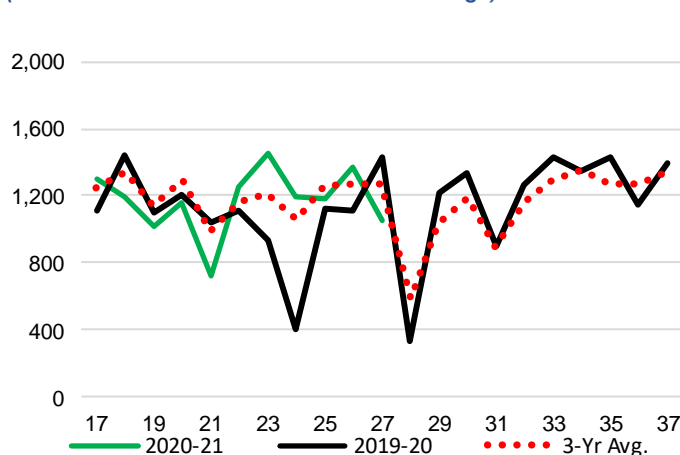
4-E Thunder Bay Unloads (cars)

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

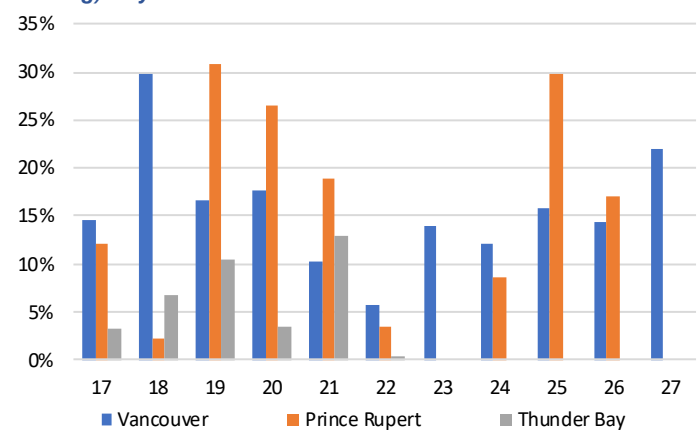


4-D Prince Rupert Unloads (cars)

(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 27



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 26 2020-21

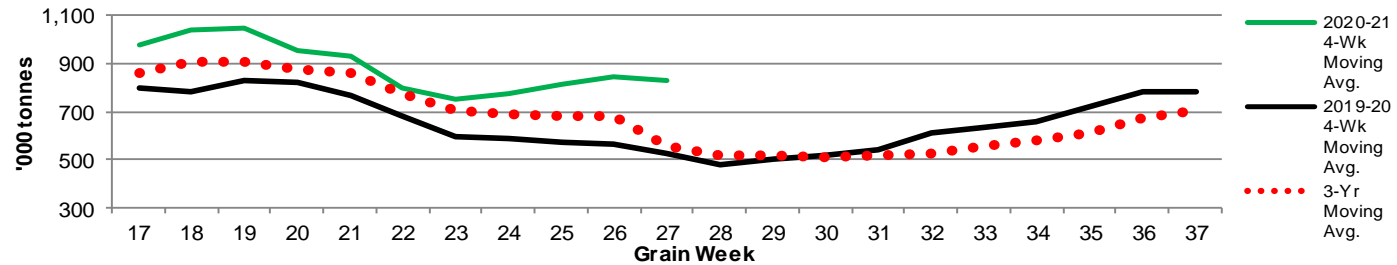
Months	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Weeks	1-4	5-9	10-13	14-17	18-22	23-26	27-30	31-35	36-39	40-43	44-48	49-52
2020-21	35,688	50,352	44,342	42,741	45,462	35,325	-	-	-	-	-	-
2019-20	29,814	36,009	36,278	34,190	38,959	22,691	22,522	38,451	39,693	38,265	46,717	34,656
3-Yr Avg.	29,918	42,043	38,668	37,894	42,092	29,150	21,220	33,125	35,354	35,424	39,364	31,147
Var % to Last Year	20%	40%	22%	25%	17%	56%						
Var % to 3-Yr Avg.	19%	20%	15%	13%	8%	21%						

5. Shipments

5-A Shipments from Port Terminals ('000 tonnes) – This Year-to-Date as at Week 27 and Variance to Last Year-to-Date

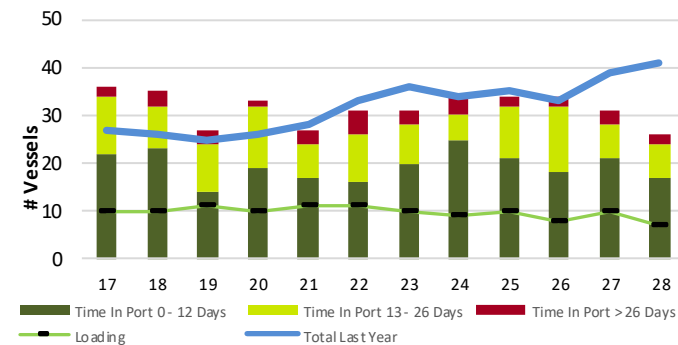
	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	16,789.2	2,977.7	19,766.9	4,672.2	95.7	24,534.8
2019-20	11,684.9	2,546.6	14,231.5	4,403.3	137.3	18,772.1
3-Yr Avg.	13,541.1	2,891.6	16,432.7	4,420.8	86.7	20,940.1
Var % to Last Year	44%	17%	39%	6%	-30%	31%
Var % to 3-Yr Avg.	24%	3%	20%	6%	10%	17%

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.

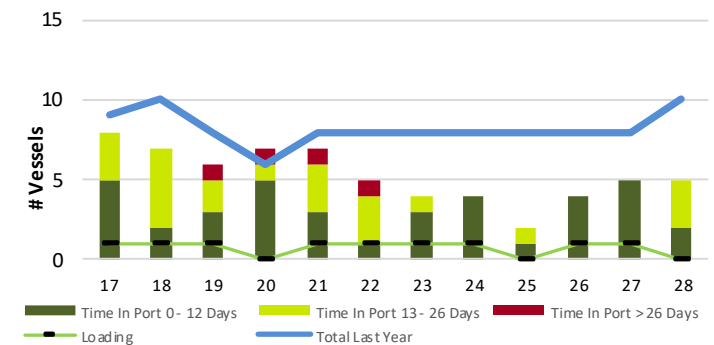


6. Vessels

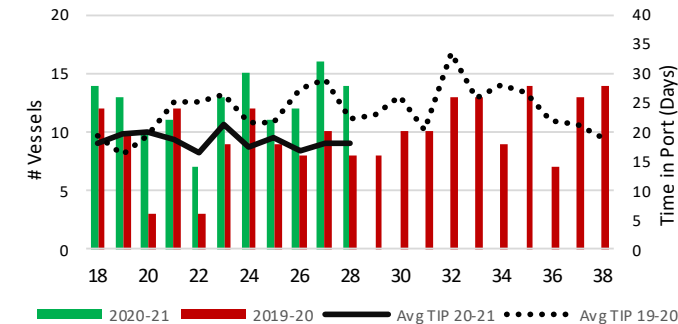
6-A Vessel Lineup at Vancouver as of Week 28 2020-21



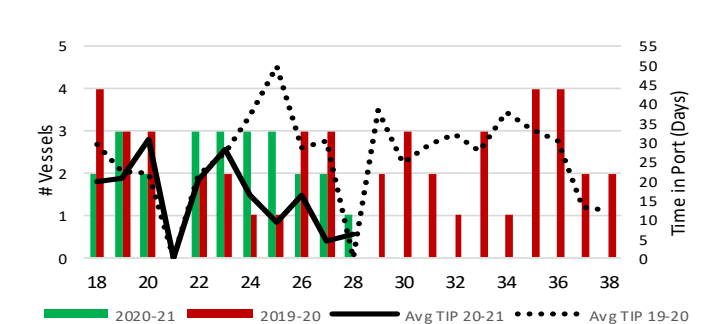
6-C Vessel Lineup at Prince Rupert as of Week 28 2020-21



6-B Vessels Cleared at Vancouver up to Week 28 2020-21



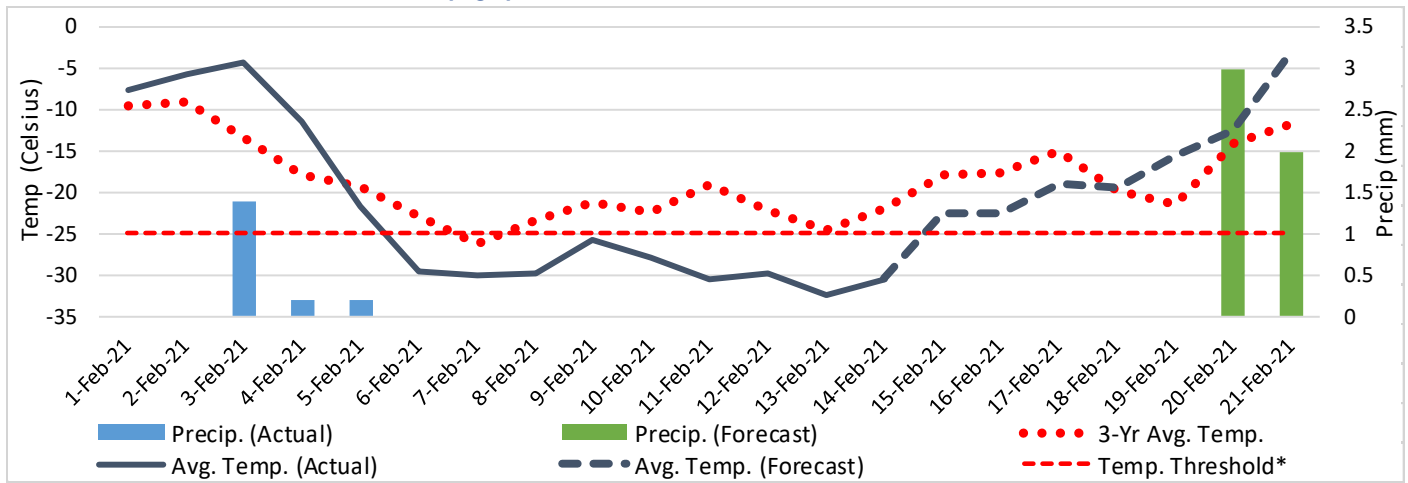
6-D Vessels Cleared at Prince Rupert up to Week 28 2020-21



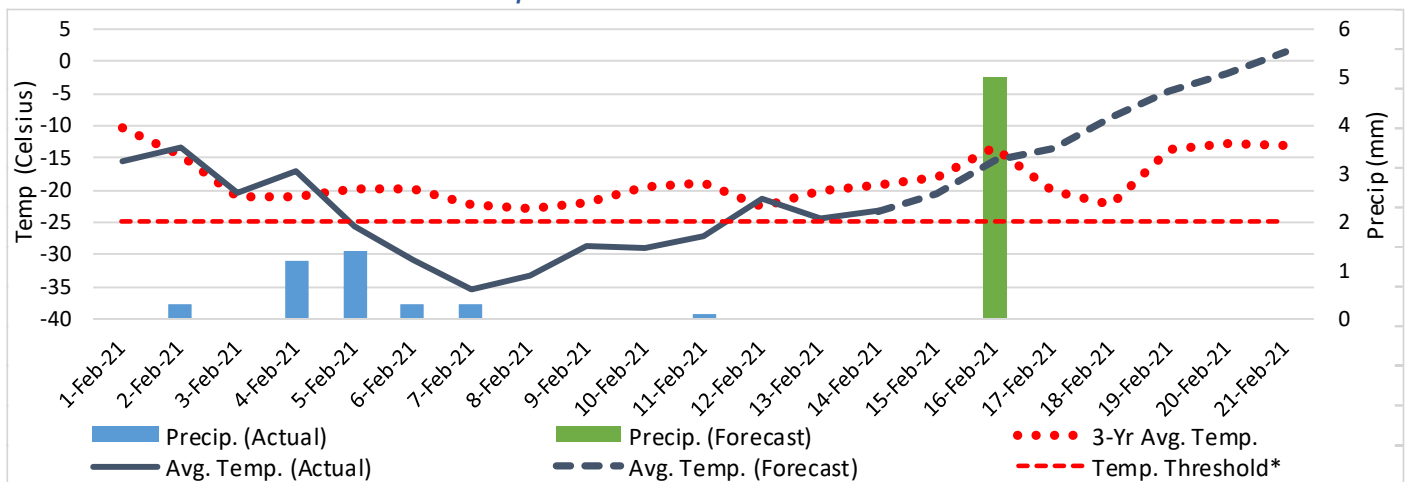
Note: The 'Time in Port' measure for 6-A and 6-C is calculated as how long each vessel in the lineup has been in port as at Sunday 23:59 of that grain week. The 'Avg Time in Port (TIP)' measure for 6-B and 6-D is the average number of days that all vessels which cleared that week were in port. These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

7. Weather

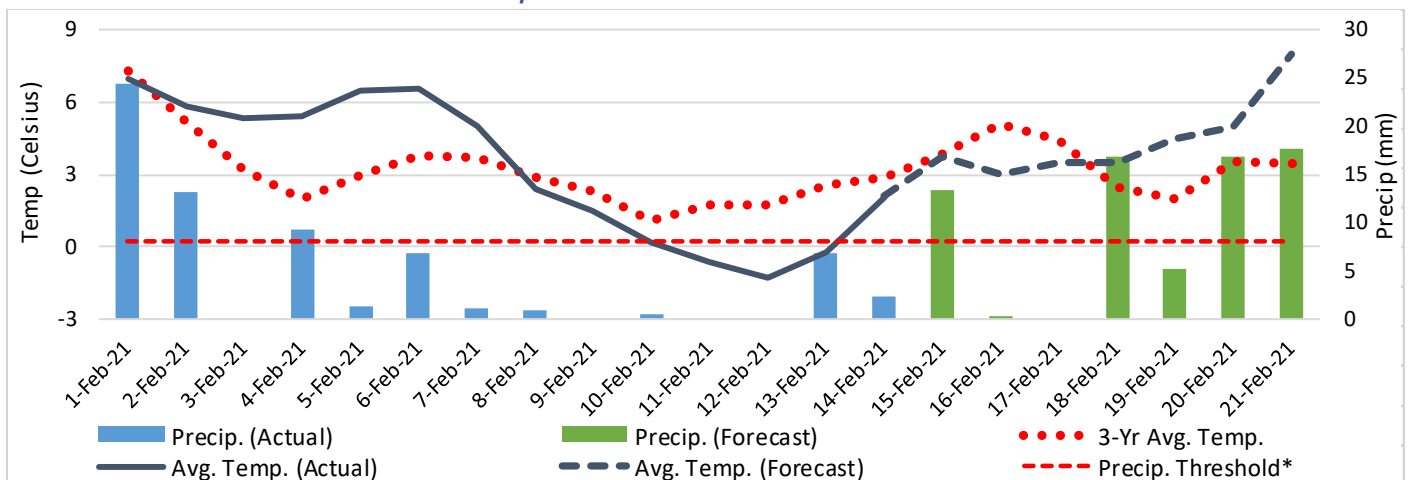
7-A Actual and Forecasted Weather at Winnipeg up to Week 29 2020-21



7-B Actual and Forecasted Weather at Edmonton up to Week 29 2020-21



7-C Actual and Forecasted Weather at Vancouver up to Week 29 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)