

Grain Monitoring Program

Weekly Performance Update

January 04, 2022

For Grain Week 21 (2021-22 CY)

Summary

	Week 21	Week 20	Var. from Last Year	
1. Stocks in Store ('000 tonnes)				
Country Elevators		4,175.6		
% of Working Capacity		77%		
Terminal Elevators		925.8		
% of Working Capacity		48%		
2. Country Deliveries ('000 tonnes)				
Country Deliveries		615.9		
3. Railcar Supply to Western Ports (Cars)				
CN Allocation Plan	↑ 2,380	1,761	-18%	
CN Unloads	↓ 1,432	3,223	-56%	
CP Allocation Plan	n/a	n/a	n/a	
CP Unloads	↓ 1,715	2,827	-46%	
4. Port Performance (Cars)				
Total Weekly Unloads	↓ 3,147	6,050	-51%	
4-Week Rolling Average	↓ 4,729	4,787	n/a	
Var. to 4-Week Rolling Average	↓ -33%	26%	n/a	
YTD Unloads	↑ 130,634	127,487	-38%	
Weekly Out-of-Car Time	↑ 36.9%	29.0%	248.9%	
5. Terminal Shipments Year-to-Date ('000 tonnes)				
Vancouver		7,915.1		
Prince Rupert		915.1		
Churchill		0.0		
Thunder Bay		3,095.3		
Total Western Canada		11,925.5		
6. Vessels as at Jan 2, 2022				
	Week 22	Week 21	Var. from Last Year	
Vancouver	Vessel Lineup in port	↑ 23	22	-26%
	Vessels Cleared	↓ 5	7	-29%
	Vessels Arrived	↓ 6	8	-45%
Pr. Rupert	Vessel Lineup in port	— 2	2	-60%
	Vessels Cleared	↓ 0	1	-100%
	Vessels Arrived	— 0	0	-100%
Vessels Inbound Jan 03, 2022 to Jan 09, 2022 (Week 23)				
Vancouver		4		
Prince Rupert		1		
7. Weather				
	Week 21 Actual	Week 22 Actual	Week 23 Forecast	
Winnipeg < -25°C	0	6	3	
Edmonton < -25°C	2	5	5	
Vancouver Days Precip > 8mm	1	2	1	

Note to Readers:

Due to the holidays, the Canadian Grain Commission (CGC) will combine Weeks 21 & 22 in Grain Statistics Weekly, to be published on January 7th. This report relies on the CGC data and cannot present a full set of measures for Week 21 in Sections 1, 2, and 5.

1. Stocks in Store: (Page 2)

- Country stocks decreased to 4.18 MMT in Week 20 utilizing 77% of the system's working capacity. Space in primary elevators is good.
- Total western port terminal stocks decreased to 0.93 MMT in Week 20, utilizing 48% of the working capacity.

2. Country Deliveries: (Page 2)

- Deliveries to primary elevators were 0.62 MMT in Week 20.

3. Railcar Supply: (Page 3)

- Railcar allocation plans are supplied by CN to Week 23 2021-22 (see page 3 for details).

4. Port Performance: (Page 4)

- Total western port unloads were 33% lower than the 4-week moving average and 51% lower than Week 21 last year.
- West Coast unloads were 2,463 cars (Vancouver 2,163 and Prince Rupert 300), 26% lower than the 4-week moving average and 54% lower than Week 21 last year.
- Thunder Bay unloads were 684 cars, 50% lower than the 4-week moving average and 40% lower than Week 21 last year.
- Year-to-date total western port unloads are 38% lower than the same period last year. The corresponding tonnage is 37% lower than the same period last year.
- The total average terminal out-of-car time (OCT) increased to 36.9% from 29.0% in the previous week. The OCT for Week 21 was 41.3% at Vancouver and 20.0% at Thunder Bay. At the time of publishing, Prince Rupert had not yet reported Week 21 OCT.

5. Shipments: (Page 5)

- Year-to-date Western Canadian shipments from port terminal elevators at Week 20 are 37% lower than the same period last year and 22% lower 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 (clear by Jan 01)
 - Welland Canal: Dec 26 (clear by Jan 07)
 - Sault Ste. Marie Locks and Canal: Jan 15

6. Vessels: (Page 5)

- Vancouver vessel lineup for Week 22 2021-22 increased to 23 vessels (The current one-year average at Vancouver is 20 vessels). Of the 23, 4 were at berth, 7 were anchored at English Bay, 2 were anchored at Burrard Inlet, and 10 were anchored at Vancouver Island.
- Prince Rupert vessel lineup for Week 22 2021-22 remained at 2 vessels (The current one-year average at Prince Rupert is 2 vessels).
- Vessels cleared from Vancouver was 5, and from Prince Rupert was 0 in Week 22 2021-22.

7. Weather:

- Temperatures across the prairies are forecasted below -25C. Railways are expected to invoke their winter operating plans.

1. Stocks in Store

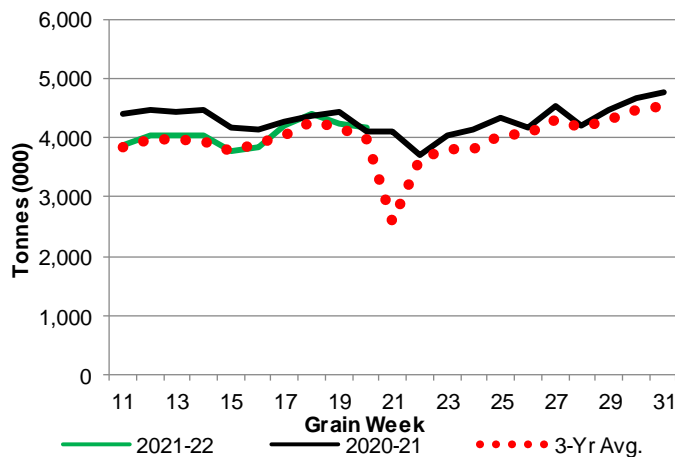
1-A1 Country Stocks ('000 tonnes) – Week 20

	MB	SK	AB	BC	Total
2021-22	729.5	1,985.5	1,428.5	32.1	4,175.6
2020-21	770.7	2,082.3	1,239.9	19.4	4,112.3
3-Yr Avg.	696.2	1,979.0	1,266.4	23.9	3,965.4
Var % - LY	-5%	-5%	15%	65%	2%
Var % 3-Yr Avg.	5%	0%	13%	34%	5%
Storage Capacity	1,621.8	4,212.1	2,496.4	39.7	8,370.0
Estimated Working Capacity	1,054.2	2,737.9	1,622.7	25.8	5,440.6
21-22 % of Wkg Cap	69%	73%	88%	124%	77%

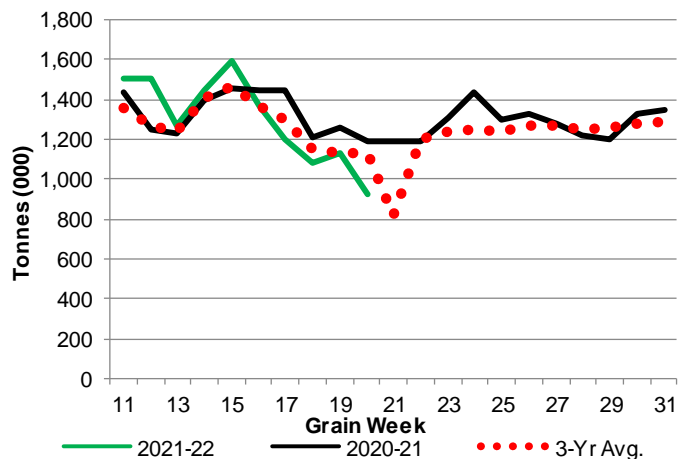
1-B1 Terminal Stocks ('000 tonnes) – Week 20

	VC	PR	West Coast	CH	TB	Total
2021-22	357.7	54.3	412.0	0.7	513.1	925.8
2020-21	599.5	127.1	726.6	0.7	459.6	1,186.9
3-Yr Avg.	552.2	103.9	656.2	0.7	472.4	1,129.3
Var % - LY	-40%	-57%	-43%	0%	12%	-22%
Var % 3-Yr Avg.	-35%	-48%	-37%	0%	9%	-18%
Storage Capacity	1,275.5	209.5	1,485.0	140.0	1,127.5	2,752.5
Estimated Working Capacity	892.9	146.7	1,039.6	98.0	789.2	1,926.8
21-22 % of Wkg Cap	40%	37%	40%	1%	65%	48%

1-A2 Weekly Country Stocks in Store



1-B2 Weekly Terminal Stocks in Store

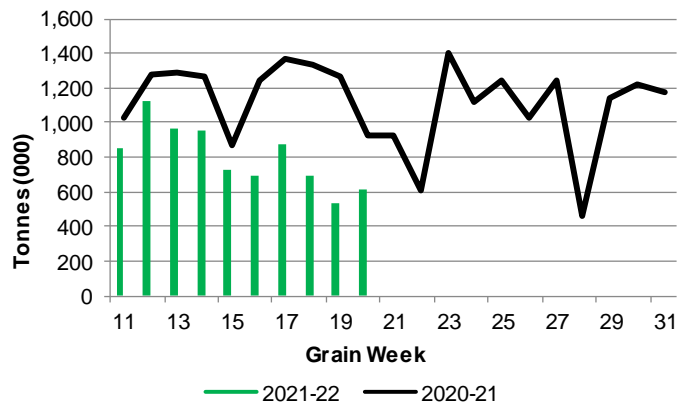


2. Country Deliveries

2-A Country Deliveries ('000 tonnes) – Week 20

	MB	SK	AB	BC	Total
2021-22	108.0	289.9	213.4	4.6	615.9
2020-21	153.7	497.5	265.5	5.2	921.8
4 Wk Avg	148.1	325.0	200.1	6.5	679.6
Var % to Last Year	-30%	-42%	-20%	-11%	-33%
Var % To 4 Wk Avg	-27%	-11%	7%	-29%	-9%

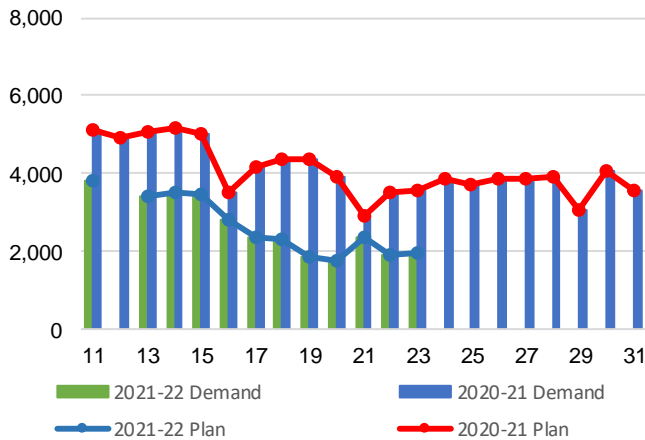
2-B 2019-20 Weekly Country Deliveries



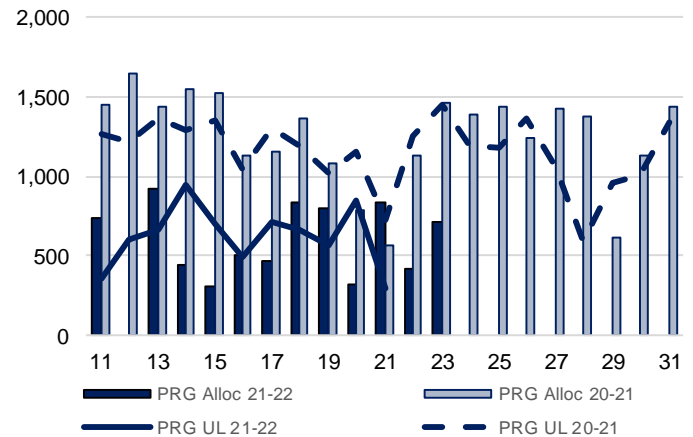
3. Railcar Supply

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 2021-22. 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.

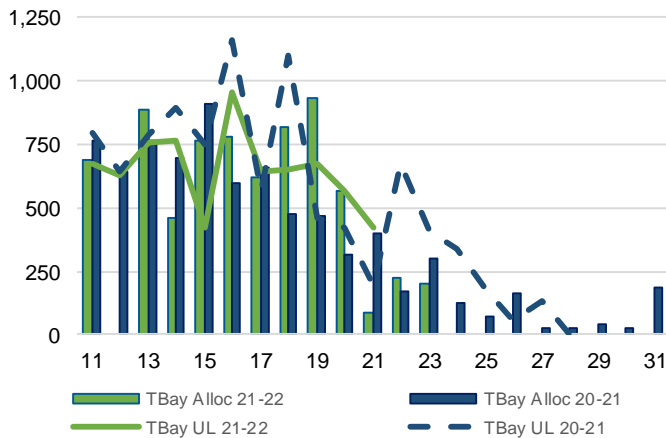
3-A: Canadian National Planned Car Allocation vs. Demand (cars) To Week 23 2021-22



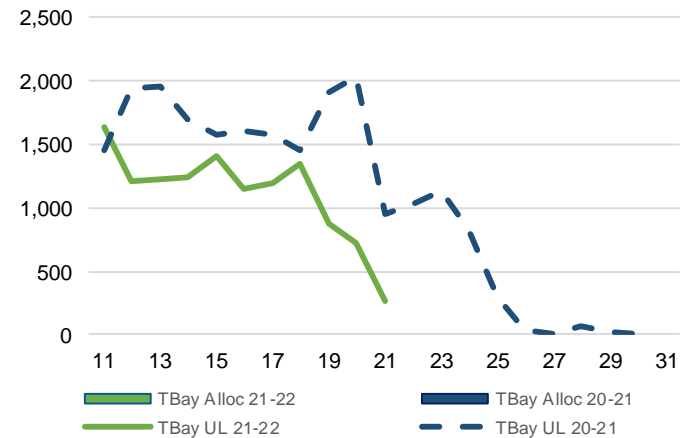
3-B3: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Prince Rupert



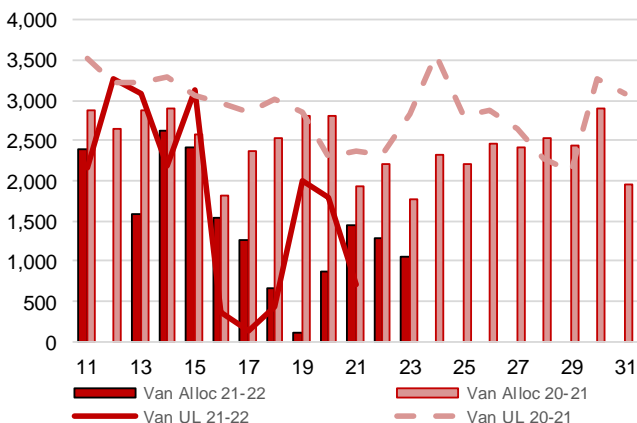
3-B1: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Thunder Bay



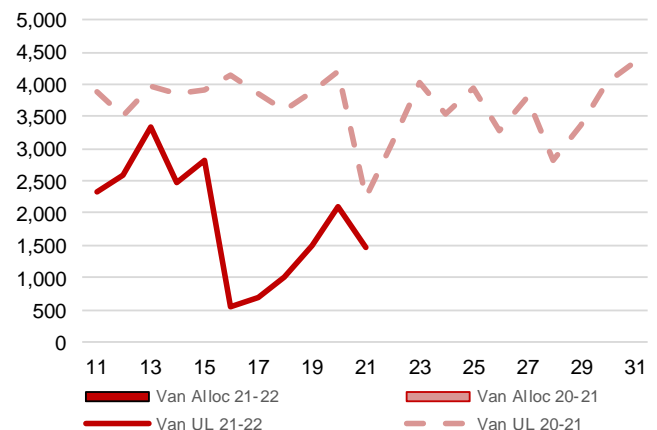
3-C1: Canadian Pacific Planned Car Allocation to Western Ports vs. Corridor Unloads at Port (cars) – Thunder Bay



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
2021-22	2,163	300	2,463	684	-	3,147
2020-21	4,601	721	5,322	1,143	-	6,465
4-Wk Avg.	2,753	596	3,349	1,381	-	4,729
Var % to Last Year	-53%	-58%	-54%	-40%	n/a	-51%
Var % to 4-Wk Avg.	-21%	-50%	-26%	-50%	n/a	-33%

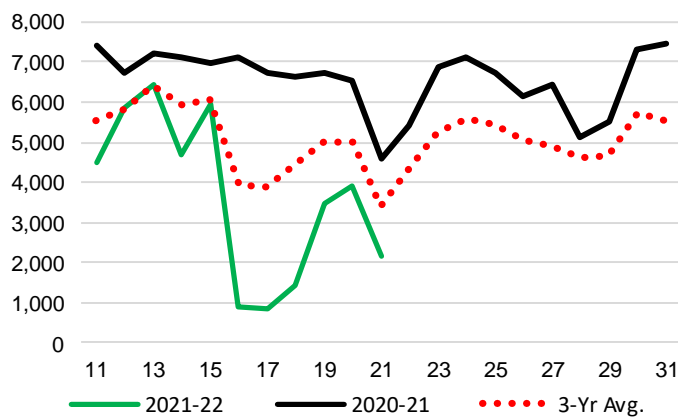
4-B Terminal Unloads by Port – This Year-to-Date as at Week 21 and Variances

YTD Unloads (cars)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2021-22	85,075	11,043	96,118	34,516	-	130,634
2020-21	136,610	24,565	161,175	47,989	1,063	210,227
3-Yr Avg	107,226	19,183	126,409	42,640	846	169,895
Var % to Last Year	-38%	-55%	-40%	-28%	-100%	-38%
Var % to 3-Yr Avg	-21%	-42%	-24%	-19%	-100%	-23%

YTD Unloads ('000 tonnes)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2021-22	7,975.3	1,011.0	8,986.3	3,270.2	-	12,256.5
2020-21	12,670.7	2,288.5	14,959.2	4,488.2	95.5	19,542.9
3-Yr Avg.	9,945.1	1,777.8	11,722.9	3,987.9	76.4	15,787.2
Var % to Last Year	-37%	-56%	-40%	-27%	-100%	-37%
Var % to 3-Yr Avg.	-20%	-43%	-23%	-18%	-100%	-22%

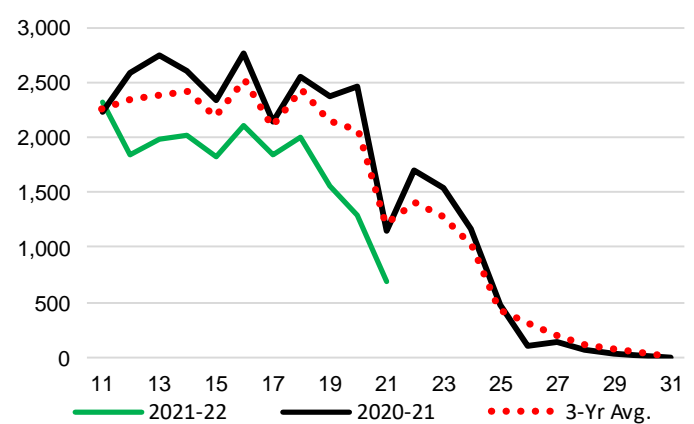
4-C Vancouver Unloads (cars)

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



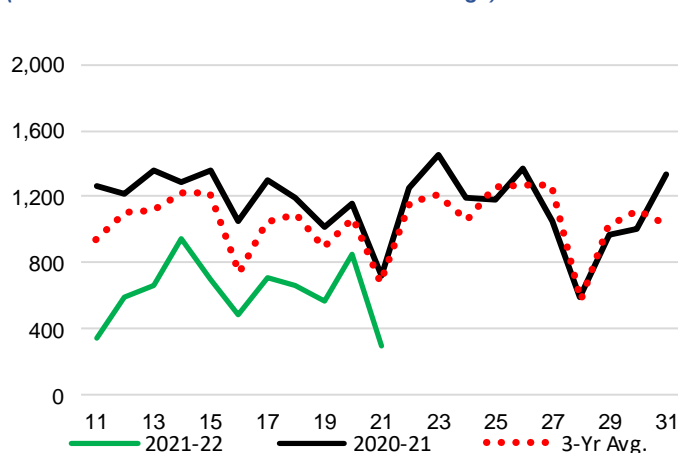
4-E Thunder Bay Unloads (cars)

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

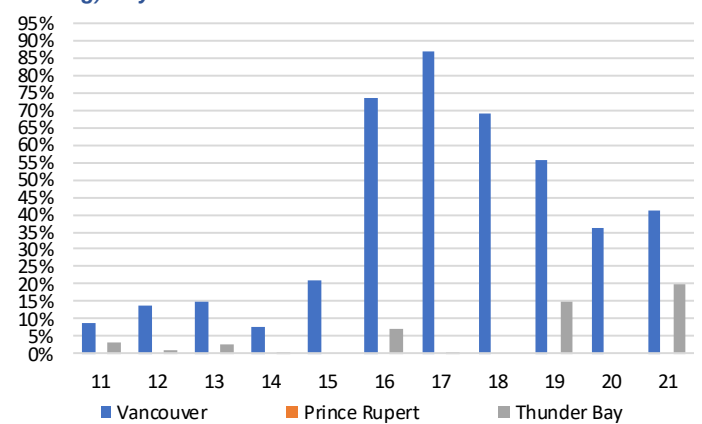


4-D Prince Rupert Unloads (cars)

(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 2021-22

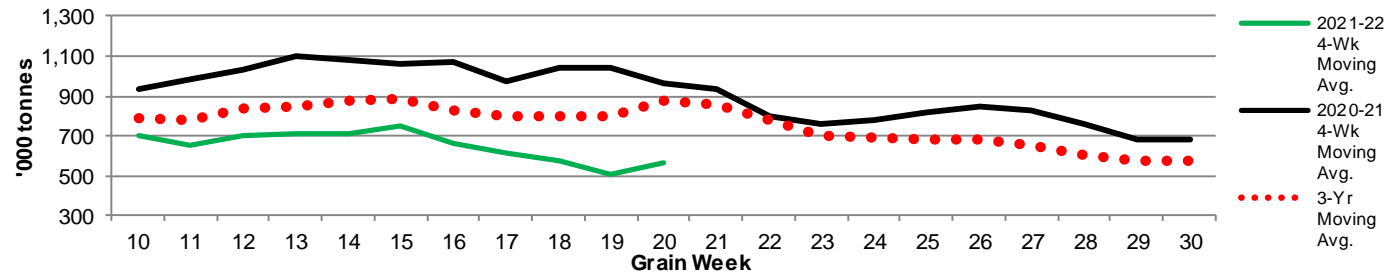
Months	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Weeks	1-4	5-9	10-13	14-17	18-22	23-26	27-30	31-35	36-39	40-43	44-48	49-52
2021-22	17,875	36,841	33,987	23,015	-	-	-	-	-	-	-	-
2020-21	35,688	50,352	44,342	42,742	45,462	35,328	28,211	43,126	42,495	34,905	33,574	21,334
3-Yr Avg.	27,792	41,067	38,202	33,316	42,092	29,151	24,353	36,784	38,685	36,117	39,664	28,970
Var % to Last Year	-50%	-27%	-23%	-46%								
Var % to 3-Yr Avg.	-36%	-10%	-11%	-31%								

5. Shipments

5-A Shipments from Port Terminals ('000 tonnes) – This Year-to-Date as of Week 20 and Variance to Last Year-to-Date

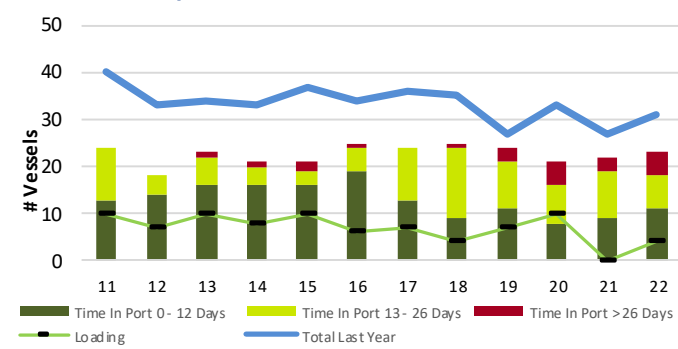
	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2021-22	7,915.1	915.1	8,830.2	3,095.3	-	11,925.5
2020-21	12,411.6	2,186.7	14,598.3	4,251.0	95.7	18,945.0
3-Yr Avg.	9,747.6	1,651.6	11,399.2	3,766.2	77.7	15,243.1
Var % to Last Year	-36%	-58%	-40%	-27%	-100%	-37%
Var % to 3-Yr Avg.	-19%	-45%	-23%	-18%	-100%	-22%

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.

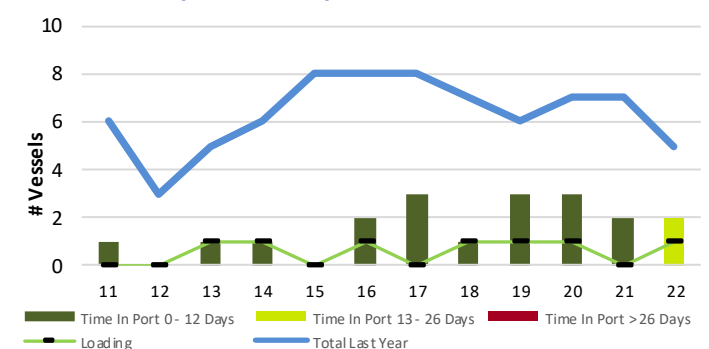


6. Vessels

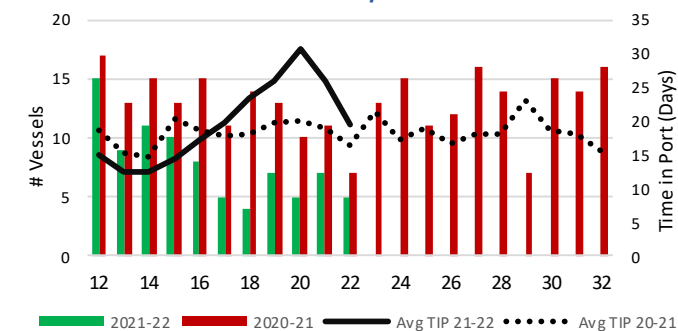
6-A Vessel Lineup at Vancouver as of Week 22 2021-22



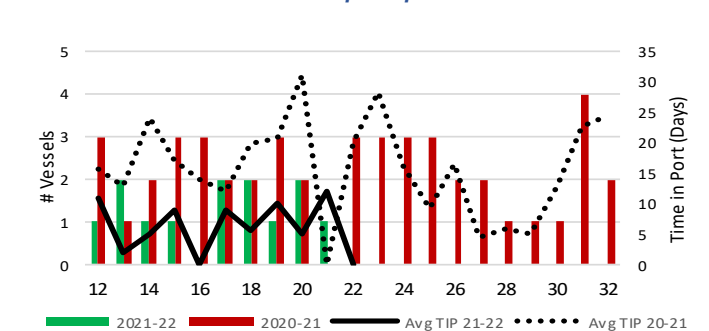
6-C Vessel Lineup at Prince Rupert as of Week 22 2021-22



6-B Vessels Cleared at Vancouver up to Week 22 2021-22



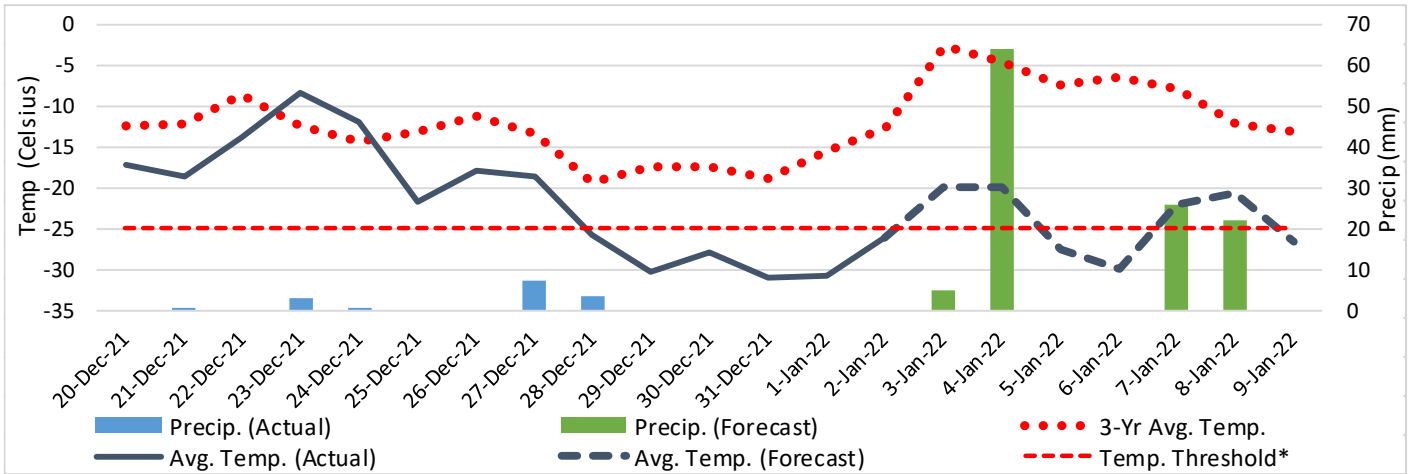
6-D Vessels Cleared at Prince Rupert up to Week 22 2021-22



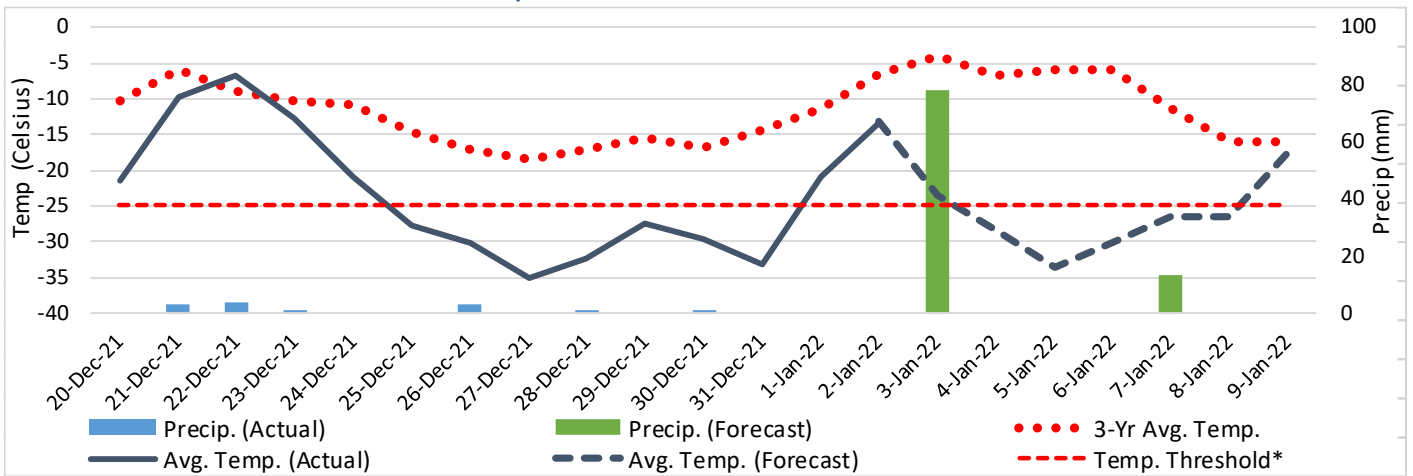
Note: The 'Time in Port' measure for 6-A and 6-C is calculated as how long each vessel in the lineup has been in port as at Sunday 23:59 of that grain week. The 'Avg Time in Port (TIP)' measure for 6-B and 6-D is the average number of days that all vessels which cleared that week were in port. These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

7. Weather

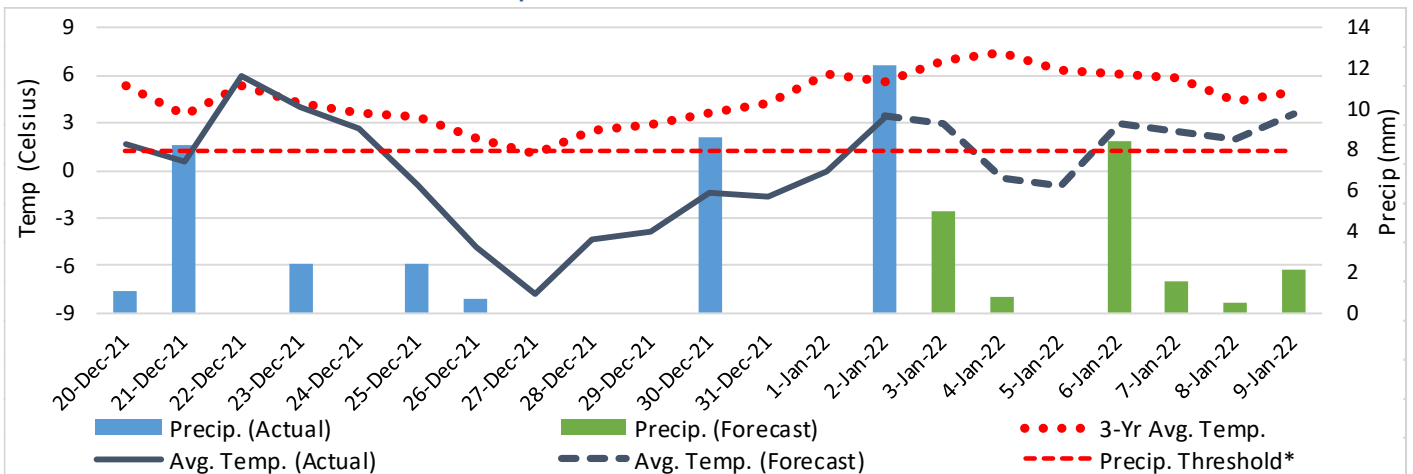
7-A Actual and Forecasted Weather at Winnipeg up to Week 23 2021-22



7-B Actual and Forecasted Weather at Edmonton up to Week 23 2021-22



7-C Actual and Forecasted Weather at Vancouver up to Week 23 2021-22



*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)