

Grain Monitoring Program

Weekly Performance Update

November 14, 2023

For Grain Week 14 (2023-24 CY)

Summary

	Week 14	Week 13	Var. from Last Year	
1. Stocks in Store ('000 tonnes)				
Country Elevators	↓ 3,618.0	3,639.8	-8%	
% of Working Capacity	65%	66%		
Terminal Elevators	↑ 1,619.7	1,443.8	6%	
% of Working Capacity	84%	75%		
2. Country Deliveries ('000 tonnes)				
Country Deliveries	↑ 1,111.9	907.1	-13%	
3. Railcar Supply to Western Ports (Cars)				
CN Allocation Plan	↓ 4,502	4,805	-17%	
CN Unloads	↑ 4,775	4,773	-3%	
CPKC Allocation Plan	n/a	n/a	n/a	
CPKC Unloads	↓ 3,965	4,628	-30%	
4. Port Performance (Cars)				
Total Weekly Unloads	↓ 8,740	9,401	-17%	
4-Week Rolling Average	↓ 9,457	9,825	n/a	
Var. to 4-Week Rolling Average	↓ -8%	-4%	n/a	
YTD Unloads	↑ 106,357	97,617	-4%	
Weekly Out-of-Car Time	↓ 9.6%	11.7%	39.7%	
5. Terminal Shipments Year-to-Date ('000 tonnes)				
Vancouver	↑ 7,675.8	7,058.1	5%	
Prince Rupert	↑ 410.4	350.4	-58%	
Churchill	— 0.0	0.0	n/a	
Thunder Bay	↑ 1,924.3	1,809.6	-1%	
Total Western Canada	10,010.5	9,218.1	-2%	
6. Vessels as at Nov 12, 2023				
	Week 15	Week 14	Var. from Last Year	
Vancouver	Vessel Lineup in port	— 23	23	-30%
	Vessels Cleared	↓ 8	12	-27%
	Vessels Arrived	↓ 8	12	-38%
Pr. Rupert	Vessel Lineup in port	↑ 2	1	-50%
	Vessels Cleared	— 1	1	-50%
	Vessels Arrived	↑ 2	1	0%
Vessels Inbound Nov 13, 2023 to Nov 19, 2023 (Week 16)				
Vancouver	20			
Prince Rupert	0			
7. Weather				
	Week 14 Actual	Week 15 Actual	Week 16 Forecast	
Winnipeg Days < -25°C	0	0	0	
Edmonton Days < -25°C	0	0	0	
Vancouver Days Precip > 8mm	2	4	1	

1. Stocks in Store: (Page 2)

- Country stocks decreased to 3.62 MMT in Week 14 utilizing 65% of the system's working capacity. Space in primary elevators is good.
- Total western port terminal stocks increased to 1.62 MMT in Week 14, utilizing 84% of the working capacity.

2. Country Deliveries: (Page 2)

- Deliveries to primary elevators were 1.11 MMT in Week 14.

3. Railcar Supply: (Page 3)

- Railcar allocation plans are supplied by CN to Week 16 2023-24 (see page 3 for details).

4. Port Performance: (Page 4)

- Total western port unloads were 8% lower than the 4-week moving average and 17% lower than Week 14 last year.
- West Coast unloads were 7,658 cars (Vancouver 7,008 and Prince Rupert 650), 3% lower than the 4-week moving average and 7% lower than Week 14 last year.
- Thunder Bay unloads were 1,082 cars, 30% lower than the 4-week moving average and 53% lower than Week 14 last year.
- Year-to-date total western port unloads are 4% lower than the same period last year. The corresponding tonnage is 5% lower than the same period last year.
- The total average terminal out-of-car time (OCT) decreased to 9.6% from 11.7% the previous week. The OCT for Week 14 was 11.6% at Vancouver and 3.1% at Thunder Bay. At the time of publishing, Prince Rupert had not yet reported Week 14 OCT.

5. Shipments: (Page 5)

- Year-to-date Western Canadian shipments from port terminal elevators at Week 14 are 2% lower than the same period last year and 5% higher than the 3-year average.

6. Vessels: (Page 5)

- Vancouver vessel lineup for Week 15 2023-24 remained at 23 vessels (The current one-year average at Vancouver is 22 vessels). Of the 23, 7 were at berth, 11 were anchored at English Bay, 2 were anchored at Burrard Inlet, and 3 were anchored at Vancouver Island.
- Prince Rupert vessel lineup for Week 15 2023-24 increased to 2 vessels (The current one-year average at Prince Rupert is 2 vessels).
- Vessels cleared from Vancouver was 8, and from Prince Rupert was 1 in Week 15 2023-24.

7. Weather: (Page 6)

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

1. Stocks in Store

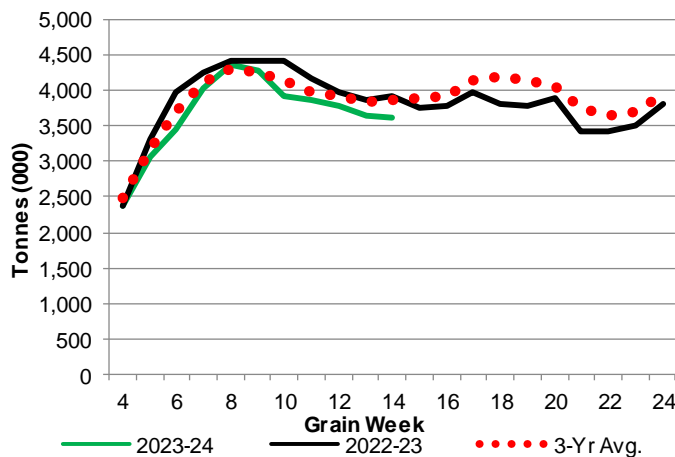
1-A1 Country Stocks ('000 tonnes) – Week 14

	MB	SK	AB	BC	Total
2023-24	843.2	1,669.9	1,083.5	21.4	3,618.0
2022-23	792.1	1,845.7	1,253.7	22.9	3,914.4
3-Yr Avg.	790.3	1,780.1	1,257.8	24.1	3,852.3
Var % - LY	6%	-10%	-14%	-7%	-8%
Var % 3-Yr Avg.	7%	-6%	-14%	-11%	-6%
Storage Capacity	1,683.7	4,264.1	2,548.1	41.2	8,537.1
Estimated Working Capacity	1,094.4	2,771.7	1,656.2	26.8	5,549.1
23-24 % of Wkg Cap	77%	60%	65%	80%	65%

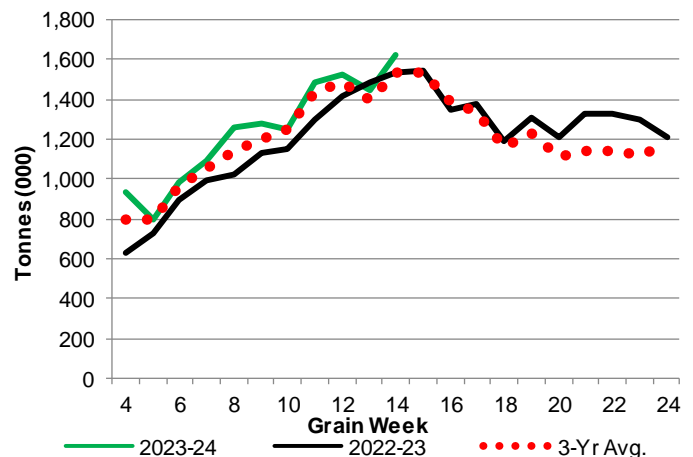
1-B1 Terminal Stocks ('000 tonnes) – Week 14

	VC	PR	West Coast	CH	TB	Total
2023-24	780.0	123.7	903.7	0.7	715.3	1,619.7
2022-23	821.4	80.6	902.0	0.7	629.5	1,532.2
3-Yr Avg.	780	103.5	883.5	0.7	649.9	1,534.1
Var % - LY	-5%	53%	0%	0%	14%	6%
Var % 3-Yr Avg.	0%	20%	2%	0%	10%	6%
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
23-24 % of Wkg Cap	87%	84%	87%	1%	91%	84%

1-A2 Weekly Country Stocks in Store



1-B2 Weekly Terminal Stocks in Store

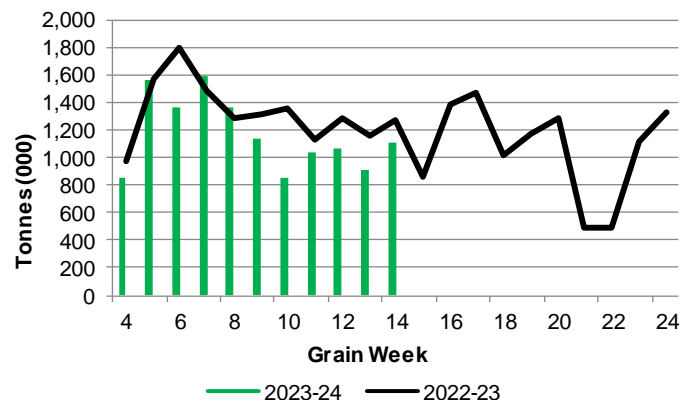


2. Country Deliveries

2-A Country Deliveries ('000 tonnes) – Week 14

	MB	SK	AB	BC	Total
2023-24	218.0	561.3	325.5	7.1	1,111.9
2022-23	221.0	664.5	375.9	11.6	1,273.0
4 Wk Avg	208.0	509.6	304.4	6.5	1,028.5
Var % to Last Year	-1%	-16%	-13%	-39%	-13%
Var % To 4 Wk Avg	5%	10%	7%	9%	8%

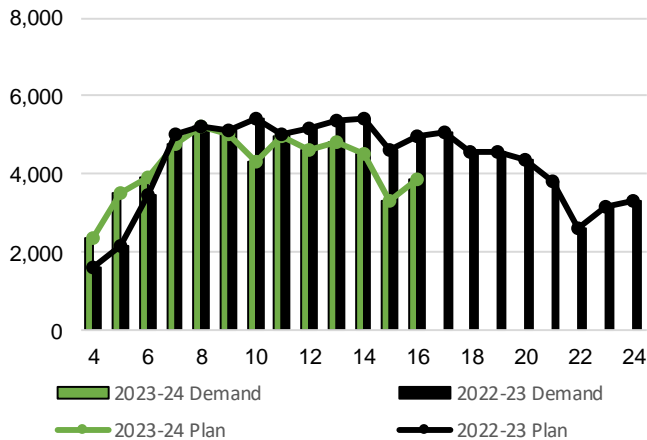
2-B 2023-24 Weekly Country Deliveries



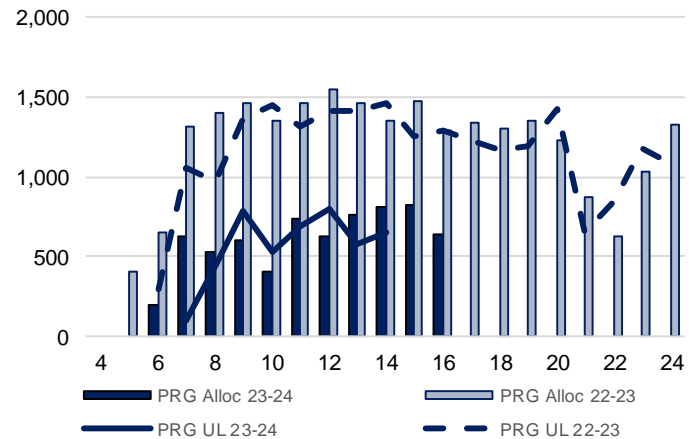
3. Railcar Supply

Special Note to readers: CPKC 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 16 2023-24. 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.

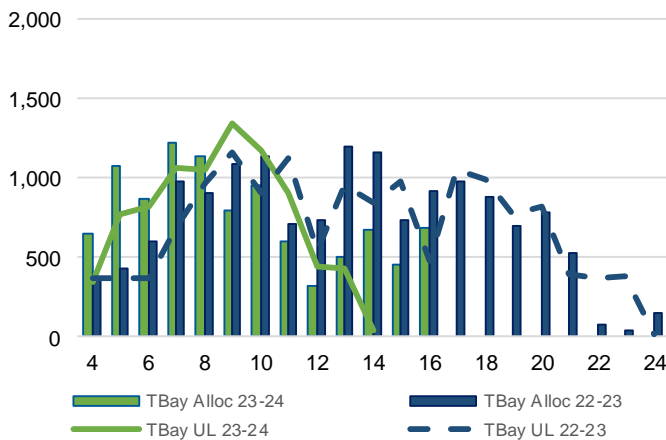
3-A: Canadian National Planned Car Allocation vs. Demand (cars) To Week 16 2023-24



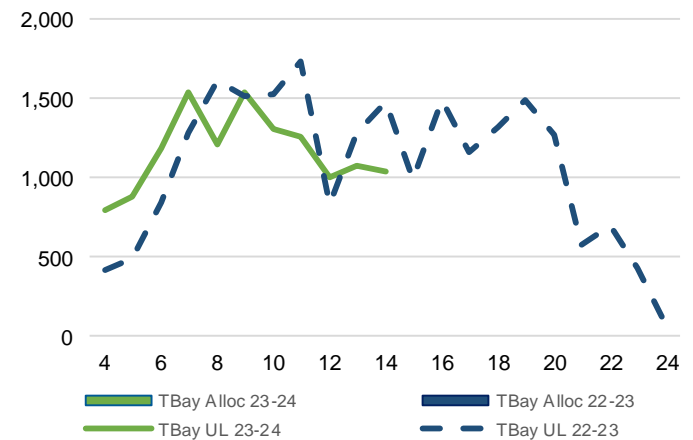
3-B3: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Prince Rupert



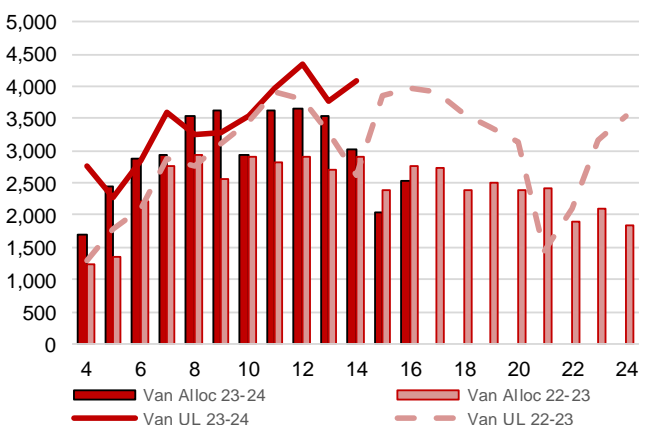
3-B1: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Thunder Bay



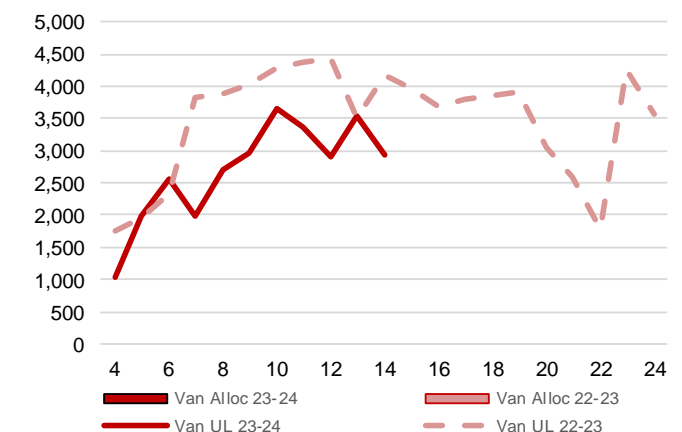
3-C1: Canadian Pacific Kansas City Planned Car Allocation to Western Ports vs. Corridor Unloads at Port (cars) – Thunder Bay



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



3-C2: Canadian Pacific Kansas City 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 14, 4-Week Moving Average and Variances

	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2023-24	7,008	650	7,658	1,082	-	8,740
2022-23	6,782	1,464	8,246	2,318	-	10,564
4-Wk Avg.	7,221	681	7,902	1,555	-	9,457
Var % to Last Year	3%	-56%	-7%	-53%	n/a	-17%
Var % to 4-Wk Avg.	-3%	-4%	-3%	-30%	n/a	-8%

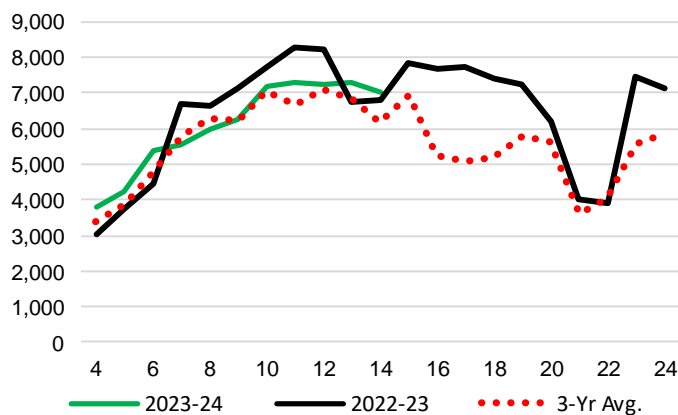
4-B Terminal Unloads by Port – This Year-to-Date as at Week 14 and Variances

YTD Unloads (cars)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2023-24	76,458	4,611	81,069	25,288	-	106,357
2022-23	76,603	10,757	87,360	23,384	-	110,744
3-Yr Avg	73,308	7,376	80,684	23,960	-	104,644
Var % to Last Year	0%	-57%	-7%	8%	n/a	-4%
Var % to 3-Yr Avg	4%	-37%	0%	6%	n/a	2%

YTD Unloads ('000 tonnes)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2023-24	7,325.4	447.3	7,772.7	2,436.6	-	10,209.3
2022-23	7,433.0	1,028.3	8,461.3	2,255.2	-	10,716.5
3-Yr Avg.	7,008.8	697.3	7,706.1	2,295.9	-	10,002.0
Var % to Last Year	-1%	-57%	-8%	8%	n/a	-5%
Var % to 3-Yr Avg.	5%	-36%	1%	6%	n/a	2%

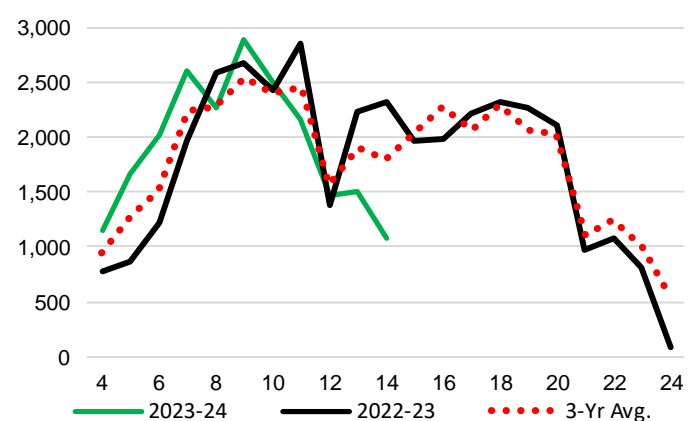
4-C Vancouver Unloads (cars)

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



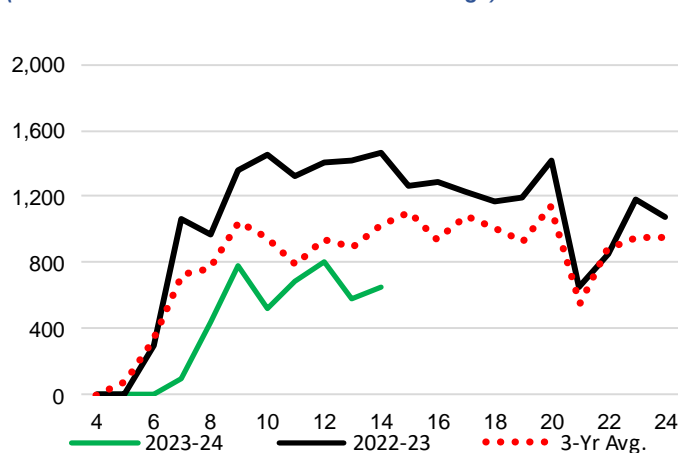
4-E Thunder Bay Unloads (cars)

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

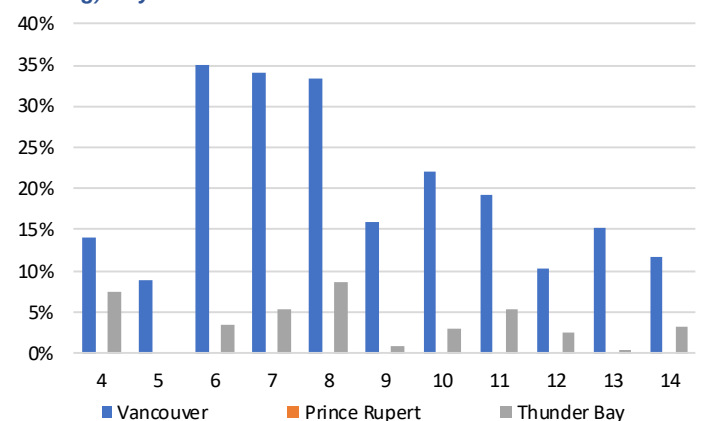


4-D Prince Rupert Unloads (cars)

(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 14



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 13 2023-24

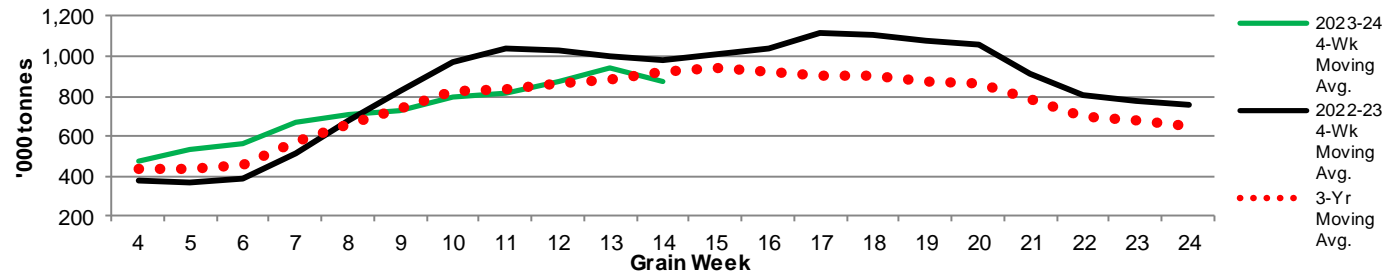
Months	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Weeks	1-5	6-9	10-13	14-18	19-22	23-27	28-31	32-35	36-39	40-44	45-48	49-53
2023-24	24,066	34,250	39,301	-	-	-	-	-	-	-	-	-
2022-23	17,592	37,081	45,507	54,625	31,875	42,443	31,747	34,971	34,634	28,378	23,280	28,334
3-Yr Avg.	21,619	34,406	39,603	44,994	29,024	35,661	25,692	27,576	31,323	28,894	21,322	21,701
Var % to Last Year	37%	-8%	-14%									
Var % to 3-Yr Avg.	11%	0%	-1%									

5. Shipments

5-A Shipments from Port Terminals ('000 tonnes) – This Year-to-Date as at Week 14 and Variance to Last Year-to-Date

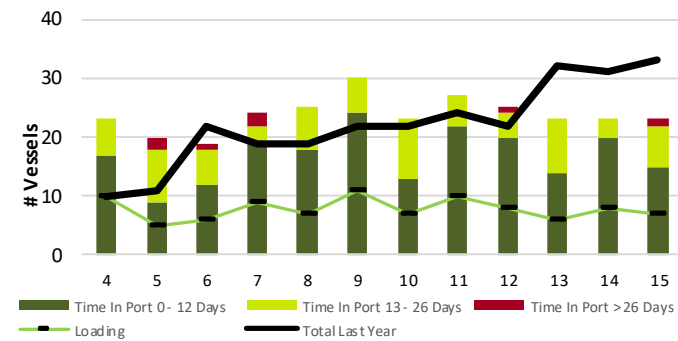
	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2023-24	7,675.8	410.4	8,086.2	1,924.3	-	10,010.5
2022-23	7,297.8	967.7	8,265.5	1,933.5	-	10,199.0
3-Yr Avg.	6,968.6	625.6	7,594.2	1,959.7	-	9,553.9
Var % to Last Year	5%	-58%	-2%	0%	n/a	-2%
Var % to 3-Yr Avg.	10%	-34%	6%	-2%	n/a	5%

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.

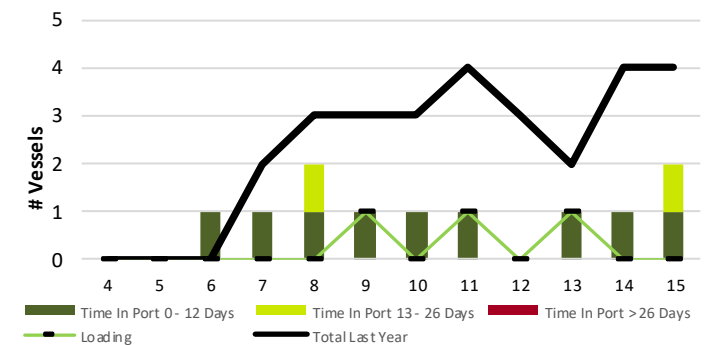


6. Vessels

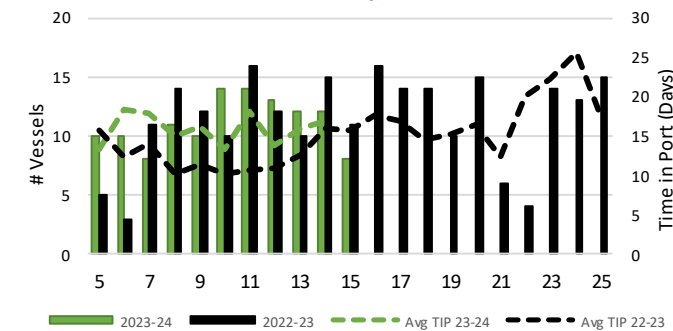
6-A Vessel Lineup at Vancouver as of Week 15 2023-24



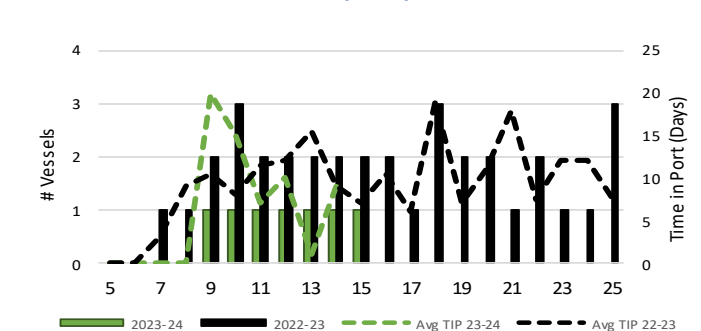
6-C Vessel Lineup at Prince Rupert as of Week 15 2023-24



6-B Vessels Cleared at Vancouver up to Week 15 2023-24



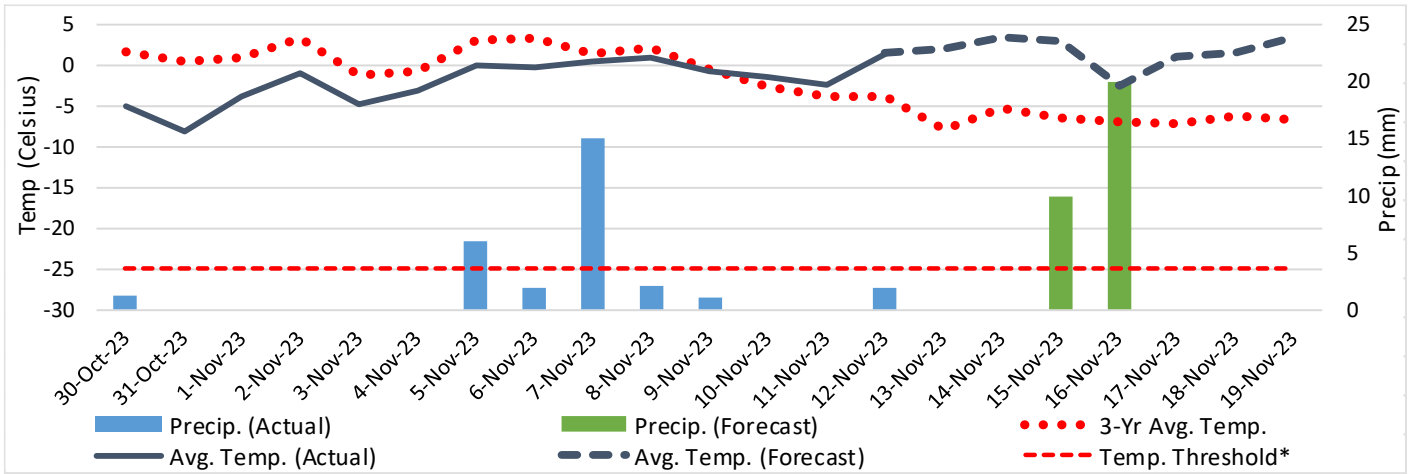
6-D Vessels Cleared at Prince Rupert up to Week 15 2023-24



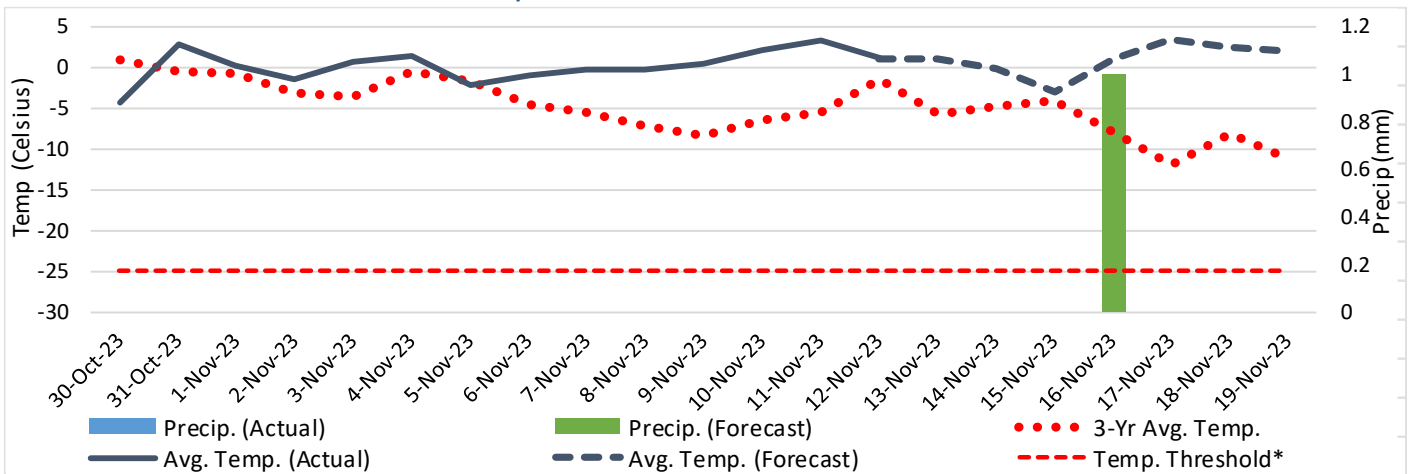
Note: The 'Time in Port' measure for 6-A and 6-C is calculated as how long each vessel in the lineup has been in port as at Sunday 23:59 of that grain week. The 'Avg Time in Port (TIP)' measure for 6-B and 6-D is the average number of days that all vessels which cleared that week were in port. These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

7. Weather

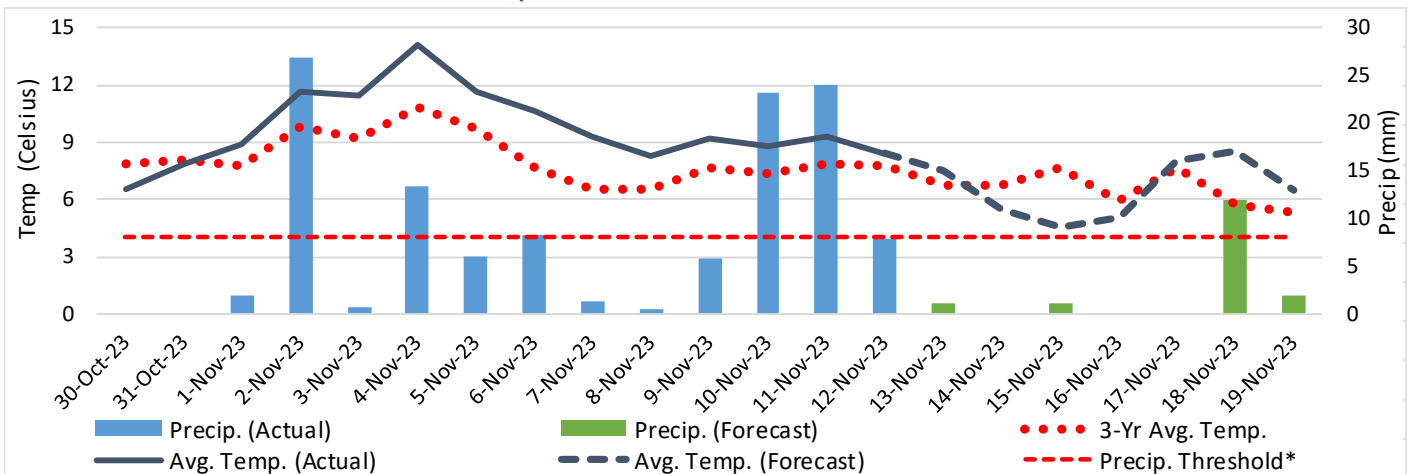
7-A Actual and Forecasted Weather at Winnipeg up to Week 16 2023-24



7-B Actual and Forecasted Weather at Edmonton up to Week 16 2023-24



7-C Actual and Forecasted Weather at Vancouver up to Week 16 2023-24



*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 and Climate Change Canada, The Weather Network (Forecast)