

Grain Monitoring Program

Weekly Performance Update

July 20, 2021

For Grain Week 49 (2020-21 CY)

Summary

	Week 49	Week 48	Var. from Last Year	
1. Stocks in Store ('000 tonnes)				
Country Elevators	↑ 3,087.4	3,032.9	9%	
% of Working Capacity	58%	57%		
Terminal Elevators	↓ 934.4	1,034.2	-29%	
% of Working Capacity	48%	53%		
2. Country Deliveries ('000 tonnes)				
Country Deliveries	↑ 643.3	540.5	-41%	
3. Railcar Supply to Western Ports (Cars)				
CN Allocation Plan	↑ 2,905	2,657	-35%	
CN Unloads	↓ 1,318	1,933	-68%	
CP Allocation Plan	n/a	n/a	n/a	
CP Unloads	↓ 2,515	2,992	-49%	
4. Port Performance (Cars)				
Total Weekly Unloads	↓ 3,833	4,925	-58%	
4-Week Rolling Average	↓ 5,872	6,764	n/a	
Var. to 4-Week Rolling Average	↓ -35%	-27%	n/a	
YTD Unloads	↑ 440,058	436,225	12%	
Weekly Out-of-Car Time	—			
5. Terminal Shipments Year-to-Date ('000 tonnes)				
Vancouver	↑ 29,641.7	29,487.3	29%	
Prince Rupert	— 4,834.5	4,834.5	-3%	
Churchill	— 95.7	95.7	-30%	
Thunder Bay	↑ 7,619.7	7,412.6	-4%	
Total Western Canada	42,191.6	41,830.1	17%	
6. Vessels as at Jul 18, 2021				
	Week 50	Week 49	Var. from Last Year	
Vancouver	Vessel Lineup in port	↑ 19	13	-24%
	Vessels Cleared	↓ 4	5	-64%
	Vessels Arrived	↑ 10	7	25%
Pr. Rupert	Vessel Lineup in port	↑ 1	0	-86%
	Vessels Cleared	— 0	0	-100%
	Vessels Arrived	↑ 1	0	0%
Vessels Inbound Jul 19, 2021 to Jul 25, 2021 (Week 51)				
Vancouver	7			
Prince Rupert	1			

1. Stocks in Store: (Page 2)

- Country stocks increased to 3.09 MMT in Week 49 utilizing 58% of the system's working capacity. Space in primary elevators is good.
- Total western port terminal stocks decreased to 0.93 MMT in Week 49, utilizing 48% of the working capacity.

2. Country Deliveries: (Page 2)

- Deliveries to primary elevators were 0.64 MMT in Week 49.

3. Railcar Supply: (Page 3)

- Railcar allocation plans are supplied by CN to Week 51 2020-21 (see page 3 for details).

4. Port Performance: (Page 4)

- Total western port unloads were 35% lower than the 4-week moving average and 58% lower than Week 49 last year.
- West Coast unloads were 1,966 cars (Vancouver 1,358 and Prince Rupert 608), 53% lower than the 4-week moving average and 73% lower than Week 49 last year.
- Thunder Bay unloads were 1,867 cars, 10% higher than the 4-week moving average and 3% lower than Week 49 last year.
- Year-to-date total western port unloads are 12% higher than the same period last year. The corresponding tonnage is 14% higher than the same period last year.
- Due to the ongoing issues in the Vancouver corridor, the GMP will not be reporting OCT for Weeks 48 & 49.

5. Shipments: (Page 5)

- Year-to-date Western Canadian shipments from port terminal elevators at Week 49 are 17% higher than the same period last year and 12% higher than the 3-year average.

6. Vessels: (Page 5)

- Week 50 lineup at Vancouver increased to 19 vessels (The current one-year average at Vancouver is 25 vessels). Of the 19, 7 were at berth, 8 were anchored at English Bay, 1 was anchored at Burrard Inlet, and 3 were anchored at Vancouver Island.
- Prince Rupert vessel lineup increased to 1 vessel (The current one-year average at Prince Rupert is 5 vessels).
- Vessels cleared from Vancouver was 4, and from Prince Rupert was 0 in Week 50 of the 2020-21 crop year.

7. Weather:

- Extreme heat and wildfires throughout BC have caused ongoing line outages south of Kamloops into Vancouver. These outages have had significant impact on volume into Vancouver terminals beginning in Week 48.
- Due to the fires a ministerial order was issued to cease train operations between Kamloops and Boston Bar for 48 hours, effective July 9 12:01 AM. This had a significant impact on unloads during Week 49.
- The line outages, 48-hour closure, and subsequent ministerial order requiring speed limitations will continue to have an impact on unloads beyond Week 49.

1. Stocks in Store

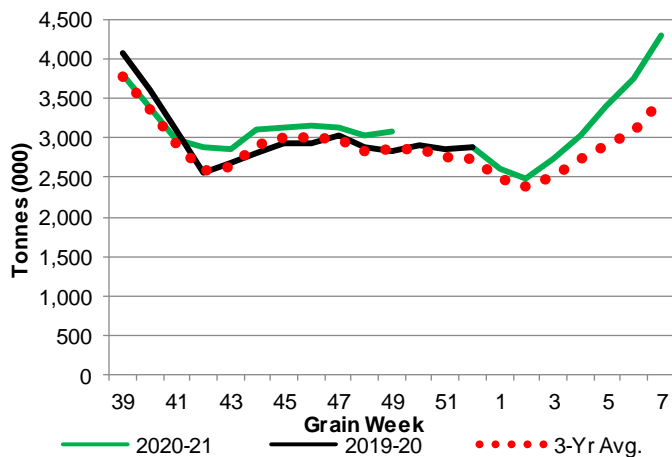
1-A1 Country Stocks ('000 tonnes) – Week 49

	MB	SK	AB	BC	Total
2020-21	509.9	1,651.9	914.1	11.5	3,087.4
2019-20	626.6	1,431.2	750.8	19.8	2,828.4
3-Yr Avg.	582.4	1,474.8	778.6	17.9	2,853.7
Var % - LY	-19%	15%	22%	-42%	9%
Var % 3-Yr Avg.	-12%	12%	17%	-36%	8%
Storage Capacity	1,616.3	4,103.8	2,457.3	39.7	8,217.1
Estimated Working Capacity	1,050.6	2,667.5	1,597.2	25.8	5,341.1
20-21 % of Wkg Cap	49%	62%	57%	45%	58%

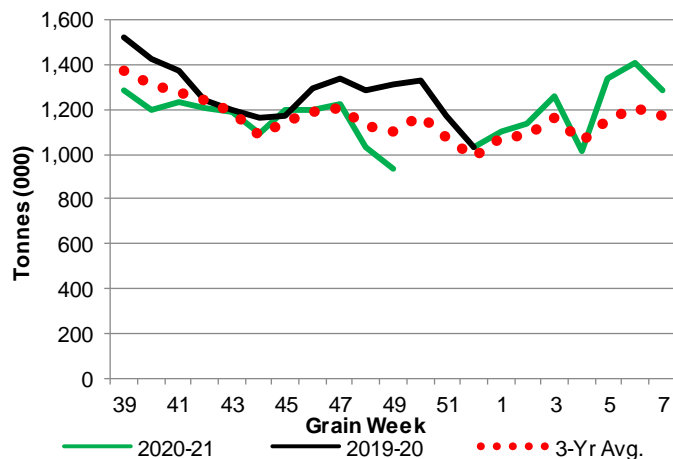
1-B1 Terminal Stocks ('000 tonnes) – Week 49

	VC	PR	West Coast	CH	TB	Total
2020-21	374.4	105.3	479.7	0.7	454.0	934.4
2019-20	726.2	119.2	845.4	0.7	465.4	1,311.5
3-Yr Avg.	530.4	113.8	644.2	0.7	458.0	1,102.9
Var % - LY	-48%	-12%	-43%	0%	-2%	-29%
Var % 3-Yr Avg.	-29%	-7%	-26%	0%	-1%	-15%
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	41%	72%	46%	1%	58%	48%

1-A2 Weekly Country Stocks in Store



1-B2 Weekly Terminal Stocks in Store

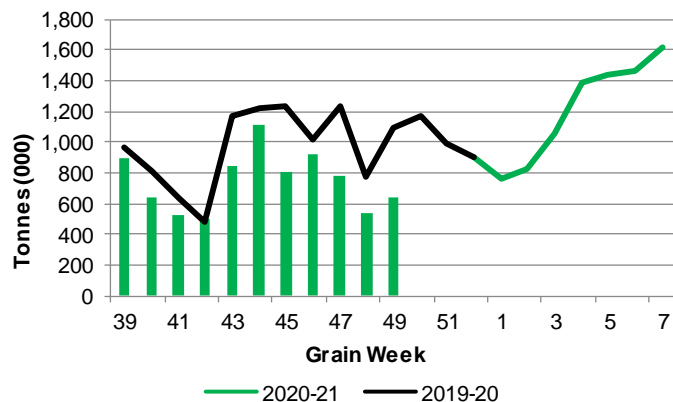


2. Country Deliveries

2-A Country Deliveries ('000 tonnes) – Week 49

	MB	SK	AB	BC	Total
2020-21	112.0	390.7	139.3	1.3	643.3
2019-20	181.1	638.0	268.3	7.6	1,095.0
4 Wk Avg	124.8	408.9	187.7	0.8	722.1
Var % to Last Year	-38%	-39%	-48%	-83%	-41%
Var % To 4 Wk Avg	-10%	-5%	-26%	63%	-11%

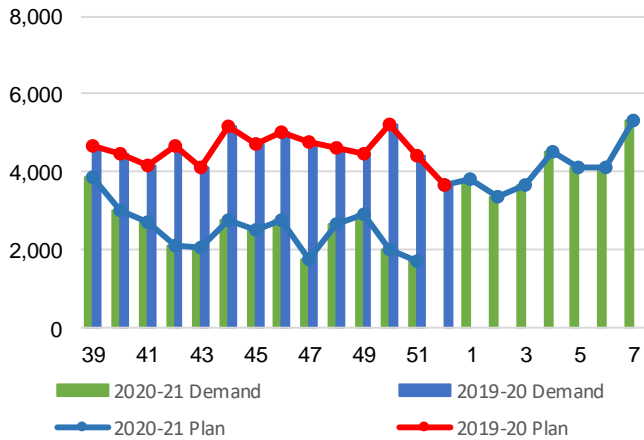
2-B 2019-20 Weekly Country Deliveries



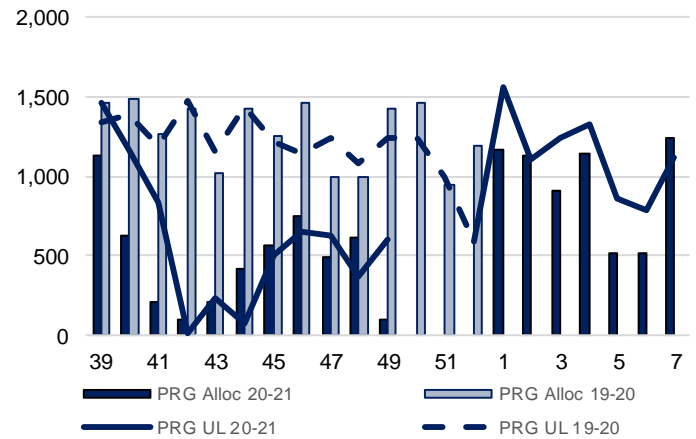
3. Railcar Supply

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 51 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.

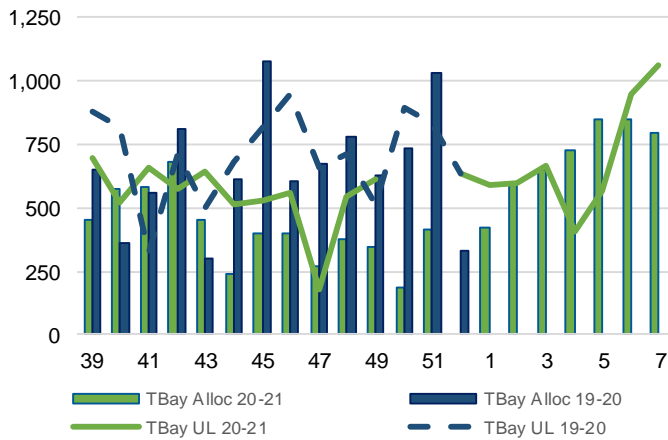
3-A: Canadian National Planned Car Allocation vs. Demand (cars) To Week 51 2020-21



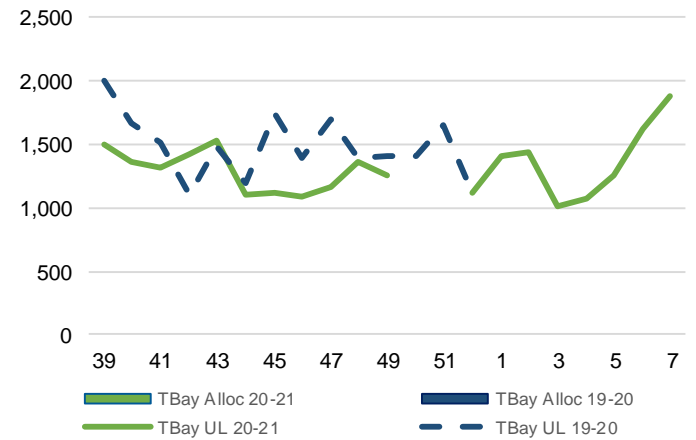
3-B3: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Prince Rupert



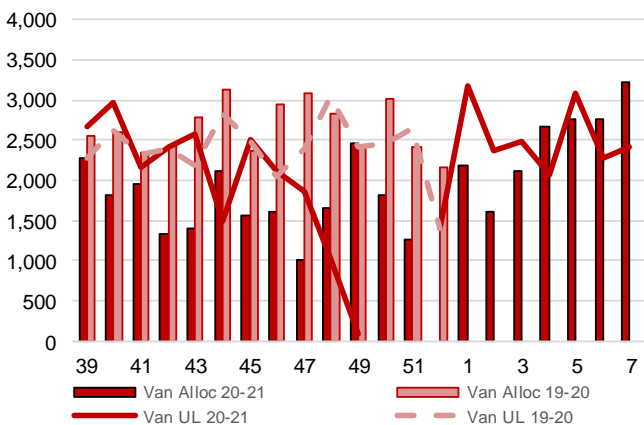
3-B1: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Thunder Bay



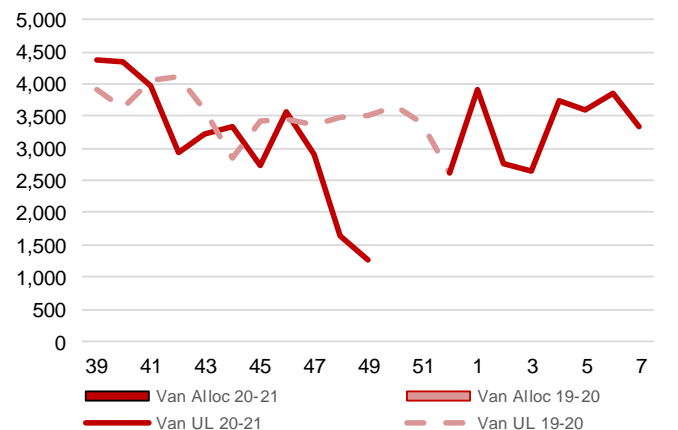
3-C1: Canadian Pacific Planned Car Allocation to Western Ports vs. Corridor Unloads at Port (cars) – Thunder Bay



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 49, 4-Week Moving Average and Variances

	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	1,358	608	1,966	1,867	-	3,833
2019-20	5,922	1,243	7,165	1,917	-	9,082
4-Wk Avg.	3,617	564	4,180	1,692	-	5,872
Var % to Last Year	-77%	-51%	-73%	-3%	n/a	-58%
Var % to 4-Wk Avg.	-62%	8%	-53%	10%	n/a	-35%

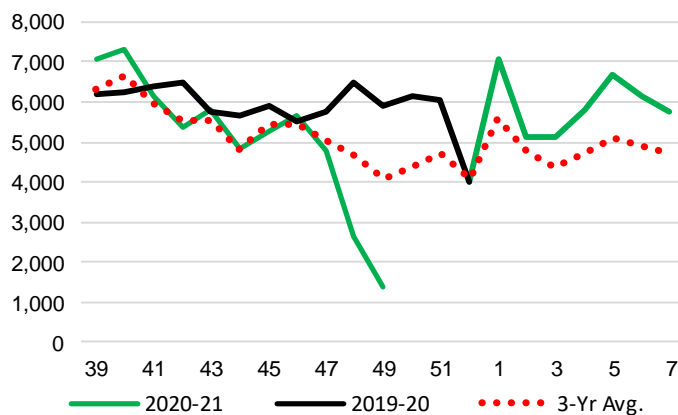
4-B Terminal Unloads by Port – This Year-to-Date as at Week 49 and Variances

YTD Unloads (cars)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	304,198	51,490	355,688	83,307	1,063	440,058
2019-20	250,458	55,177	305,635	85,561	1,475	392,671
3-Yr Avg	264,896	55,713	320,609	80,880	846	402,335
Var % to Last Year	21%	-7%	16%	-3%	-28%	12%
Var % to 3-Yr Avg	15%	-8%	11%	3%	26%	9%

YTD Unloads ('000 tonnes)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	28,497.7	4,815.4	33,313.1	7,897.6	95.5	41,306.2
2019-20	23,050.9	5,065.4	28,116.3	7,985.8	133.7	36,235.8
3-Yr Avg.	24,467.6	5,168.1	29,635.7	7,585.2	76.4	37,297.3
Var % to Last Year	24%	-5%	18%	-1%	-29%	14%
Var % to 3-Yr Avg.	16%	-7%	12%	4%	25%	11%

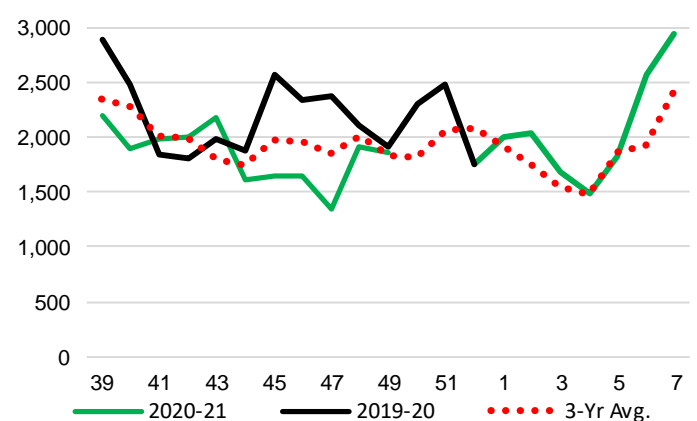
4-C Vancouver Unloads (cars)

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



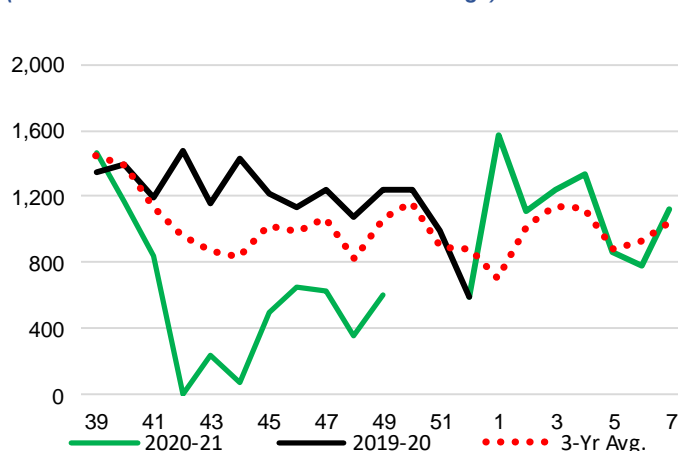
4-E Thunder Bay Unloads (cars)

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

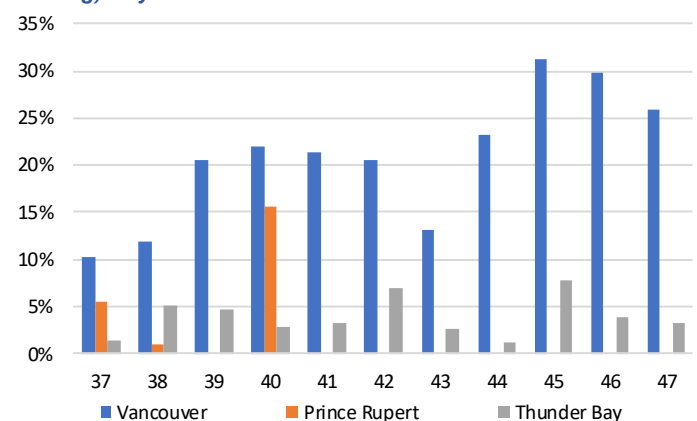


4-D Prince Rupert Unloads (cars)

(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 47



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 48 2020-21

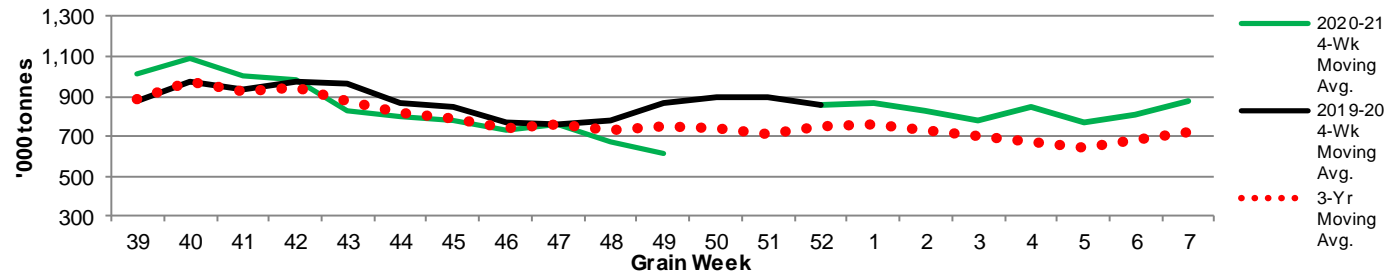
Months	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Weeks	1-4	5-9	10-13	14-17	18-22	23-26	27-30	31-35	36-39	40-43	44-48	49-52
2020-21	35,688	50,352	44,342	42,742	45,462	35,328	28,211	43,126	42,495	34,905	33,574	-
2019-20	29,814	36,009	36,278	34,190	38,959	22,691	22,522	38,451	39,693	38,265	46,717	34,656
3-Yr Avg.	29,918	42,043	38,668	37,894	42,092	29,151	24,353	36,784	38,685	36,117	39,664	31,147
Var % to Last Year	20%	40%	22%	25%	17%	56%	25%	12%	7%	-9%	-28%	
Var % to 3-Yr Avg.	19%	20%	15%	13%	8%	21%	16%	17%	10%	-3%	-15%	

5. Shipments

5-A Shipments from Port Terminals ('000 tonnes) – This Year-to-Date as at Week 49 and Variance to Last Year-to-Date

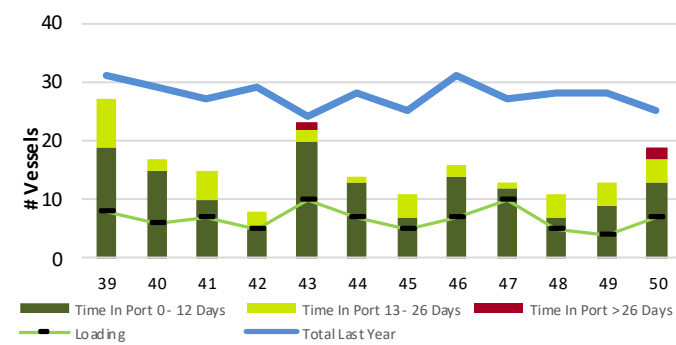
	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2020-21	29,641.7	4,834.5	34,476.2	7,619.7	95.7	42,191.6
2019-20	22,997.5	4,969.0	27,966.5	7,928.3	137.3	36,032.1
3-Yr Avg.	24,955.8	5,152.4	30,108.1	7,424.3	86.7	37,619.1
Var % to Last Year	29%	-3%	23%	-4%	-30%	17%
Var % to 3-Yr Avg.	19%	-6%	15%	3%	10%	12%

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.

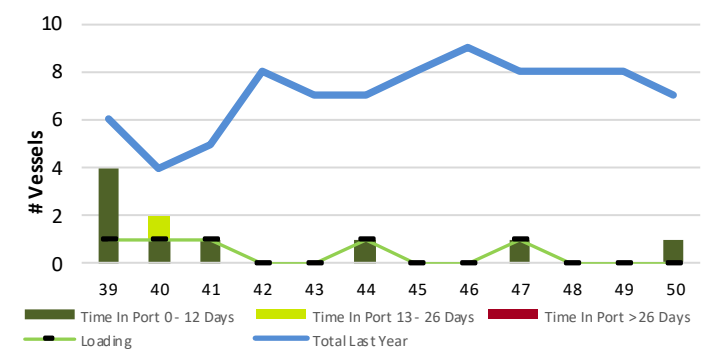


6. Vessels

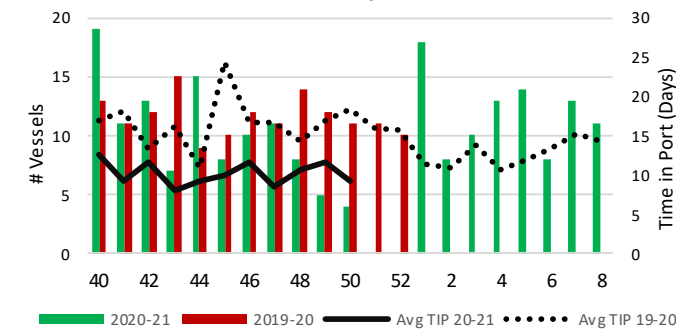
6-A Vessel Lineup at Vancouver as of Week 50 2020-21



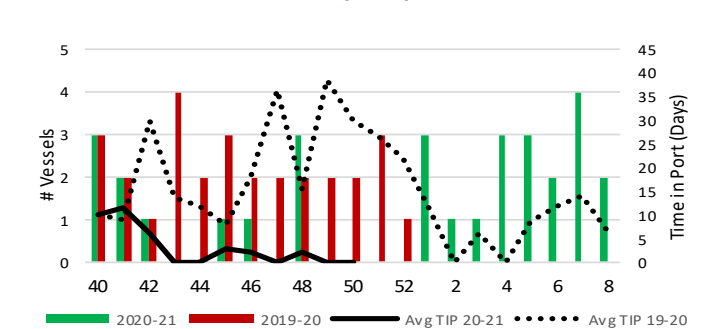
6-C Vessel Lineup at Prince Rupert as of Week 50 2020-21



6-B Vessels Cleared at Vancouver up to Week 50 2020-21



6-D Vessels Cleared at Prince Rupert up to Week 50 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.