

Grain Monitoring Program

Weekly Performance Update

January 29, 2019

For Grain Week 25 (2018-19 CY)

Summary

	This Week	Last Week	Var. from Last Year	
1. Stocks in Store ('000 tonnes)				
Country Elevators	↑ 3,827.3	3,691.6	-1%	
% of Working Capacity	77%	74%		
Terminal Elevators	↑ 1,217.6	1,136.4	4%	
% of Working Capacity	70%	65%		
2. Country Deliveries ('000 tonnes)				
Country Deliveries	↑ 1,021.7	983.6	3%	
3. Railcar Supply to Western Ports (Cars)				
CN Allocation Plan	↑ 4,543	3,849	-1%	
CN Unloads	↓ 3,912	4,924	14%	
CP Allocation Plan	n/a	n/a	n/a	
CP Unloads	↑ 3,503	3,427	38%	
4. Port Performance (Cars)				
Total Weekly Unloads	↓ 7,415	8,351	24%	
4-Week Rolling Average	↓ 7,112	7,438	n/a	
Var. to 4-Week Rolling Average	↓ 4%	12%	n/a	
YTD Unloads	↑ 200,383	192,968	5%	
Weekly Out-of-Car Time	↓ 8.1%	8.7%	-26.3%	
5. Terminal Shipments Year-to-Date ('000 tonnes)				
Vancouver	↑ 10,331.5	9,930.2	-3%	
Prince Rupert	↑ 2,838.0	2,712.6	16%	
Churchill	— 26.9	26.9	n/a	
Thunder Bay	↑ 4,210.7	4,210.6	4%	
Total Western Canada	17,407.1	16,880.3	1%	
6. Vessels as at Jan 27, 2019				
	Week 26	Week 25	Var. from Last Year	
Vancouver	Vessel Lineup in port	↑ 12	10	-59%
	Vessels Cleared	↓ 11	13	22%
	Vessels Arrived	↑ 13	4	n/a
Pr. Rupert	Vessel Lineup in port	↑ 3	2	-40%
	Vessels Cleared	↓ 1	3	-50%
	Vessels Arrived	— 2	2	n/a
Vessels Inbound Jan 28, 2019 to Feb 03, 2019 (Week 27)				
Vancouver	8			
Prince Rupert	5			
7. Weather				
	Week 25 Actual	Week 26 Actual	Week 27 Forecast	
Winnipeg <-25°C	3	3	3	
Edmonton <-25°C	0	0	0	
Vancouver Days Precip > 8mm	2	2	1	

1. Stocks in Store: (Page 2)

- Country stocks increased to 3.8 MMT in Week 25 utilizing 77% of the system's working capacity. Space in primary elevators is good.
- Total western port terminal stocks increased to 1.2 MMT in Week 25, utilizing 70% of the working capacity.

2. Country Deliveries: (Page 2)

- Producer deliveries were 1,021,700 tonnes in Week 25.

3. Railcar Supply: (Page 3)

- Railcar allocation plans are supplied by CN to Week 27 of the 2018-19 grain year (see page 3 for details).

4. Port Performance: (Page 4)

- Total western port unloads were 4% higher than the 4-week moving average and 24% higher than Week 25 last year.
- West Coast unloads were 6,991 cars (Vancouver 5,503 and Prince Rupert 1,488), 13% higher than the 4-week moving average and 17% higher than Week 25 last year.
- Thunder Bay unloads were 424 cars, 55% lower than the 4-week moving average and 4611% higher than Week 25 last year.
- Year-to-date total western port unloads are 5% higher than the same period last year. The corresponding tonnage is 7% higher than the same period last year.
- The total average terminal out-of-car time (OCT) decreased to 8.1% from 8.7% in the previous week. The OCT time for Week 25 was 9.6% at Vancouver (12.2% on the North Shore and 7.4% on the South Shore), 0.0% at Thunder Bay, and 0.4% at Prince Rupert.

5. Shipments: (Page 5)

- Year-to-date Western Canadian shipments from port terminal elevators at Week 25 are 1% higher than the same period last year and even with the 3-year average.

6. Vessels: (Page 5)

- Week 26 lineup at Vancouver increased to 12 vessels (The current one-year average at Vancouver is 21 vessels). Of the 12, 8 were at berth, 3 were anchored at English Bay, and 1 was anchored at Vancouver Island.
- Prince Rupert vessel lineup increased to 3 vessels (The current one-year average at Prince Rupert is 4 vessels).
- Vessels cleared from Vancouver were 11, and from Prince Rupert was 1 in Week 26 of the 2018-19 crop year.

7. Weather: (Page 6)

- Cold weather remains in the forecast through Week 27 across the Eastern Prairies. This will likely require railways to invoke their winter operating plans in these areas.

1. Stocks in Store

1-A1 Country Stocks ('000 tonnes) – Week 25

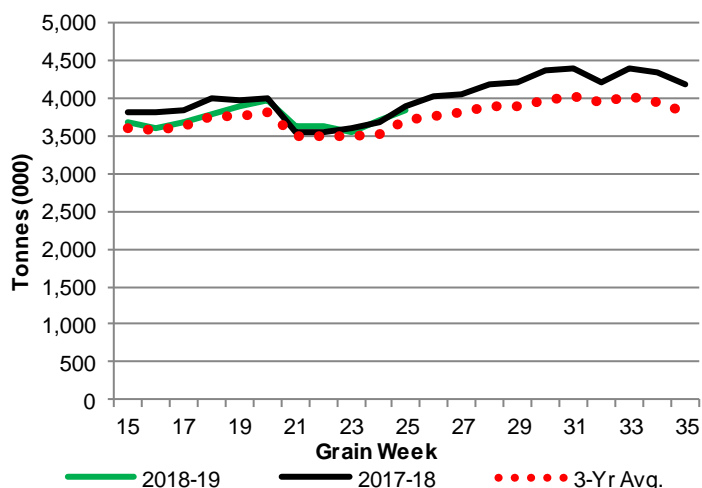
	MB	SK	AB	BC	Total
2018-19	743.8	1,907.2	1,153.5	22.8	3,827.3
2017-18	825.9	1,969.6	1,054.7	30.3	3,880.5
3-Yr Avg.	786.7	1,857.3	1,025.9	27.6	3,697.6
Var % - LY	-10%	-3%	9%	-25%	-1%
Var % 3-Yr Avg.	-5%	3%	12%	-17%	4%
Storage Capacity	1,599.2	4,013.3	2,031.1	41.1	7,684.7
Estimated Working Capacity	1,039.5	2,608.6	1,320.2	26.7	4,995.0
18-19 % of Wkg Cap	72%	73%	87%	85%	77%

1-B1 Terminal Stocks ('000 tonnes) – Week 25

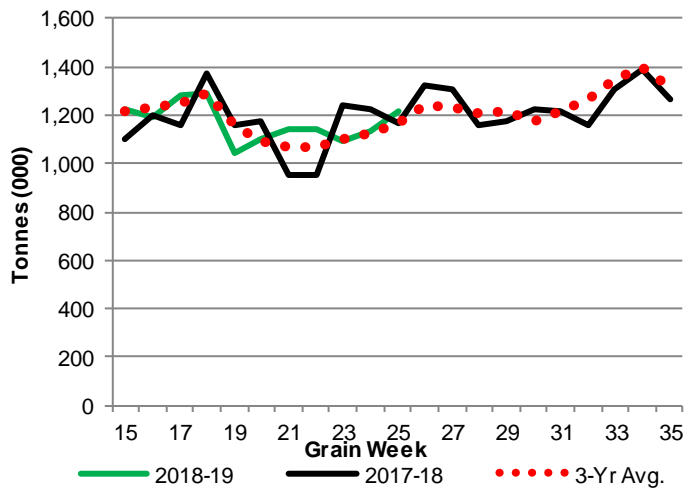
	VC	PR	West Coast	CH	TB	Total
2018-19	534.8	152.6	687.4	0.7	529.5	1,217.6
2017-18	n/a	n/a	699.9	29.5	440.9	1,170.3
3-Yr Avg.	n/a	n/a	700.4	19.9	450.2	1,170.5
Var % - LY	n/a	n/a	-2%	-98%	20%	4%
Var % 3-Yr Avg.	n/a	n/a	-2%	-96%	18%	4%
Storage Capacity	978.0	209.5	1,187.5	140.0	1,157.5	2,485.0
Estimated Working Capacity	684.6	146.65	831.3	98.0	810.3	1,739.5
18-19 % of Wkg Cap	78%	104%	83%	1%	65%	70%

Note: CGC Weekly Statistics between 2013-14 and 2017-18 Crop Years reported Vancouver and Prince Rupert terminal stocks as a combined West Coast total. As of 2018-19 these are separated.

1-A2 Weekly Country Stocks in Store



1-B2 Weekly Terminal Stocks in Store

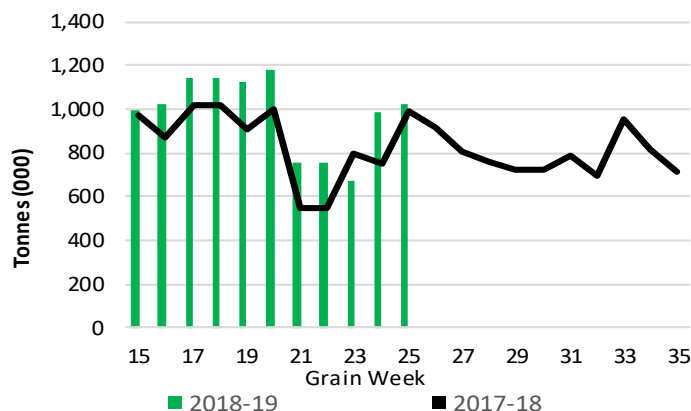


2. Country Deliveries

2-A Weekly Country Deliveries ('000 tonnes) – Week 25

	MB	SK	AB	BC	Total
2018-19	122.5	561.8	328.1	9.3	1,021.7
2017-18	80.3	517.9	385.8	8.2	992.2
4 Wk Avg	104.9	481.7	263.6	8.4	858.6
Var % to Last Year	53%	9%	-15%	13%	3%
Var % To 4 Wk Avg	17%	17%	25%	11%	19%

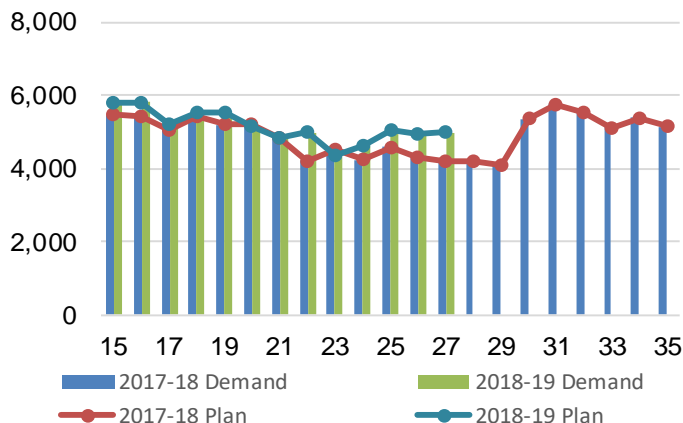
2-B 2018-19 Weekly Country Deliveries vs 2017-18



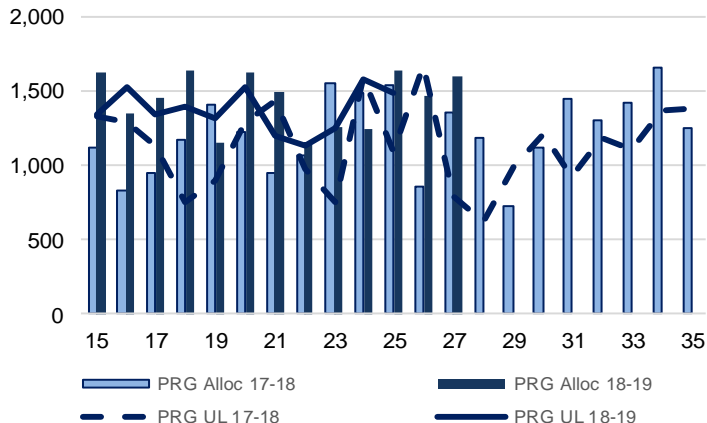
3. Railcar Supply

Special Note to readers: CP discontinued publishing weekly railcar spotting plans in Week 12 of the 2014-15 crop year (GCRS Service Report). CN continues to publish a weekly plan and the graphs below reflect CN's plan to Week 27 of 2018-19. 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.

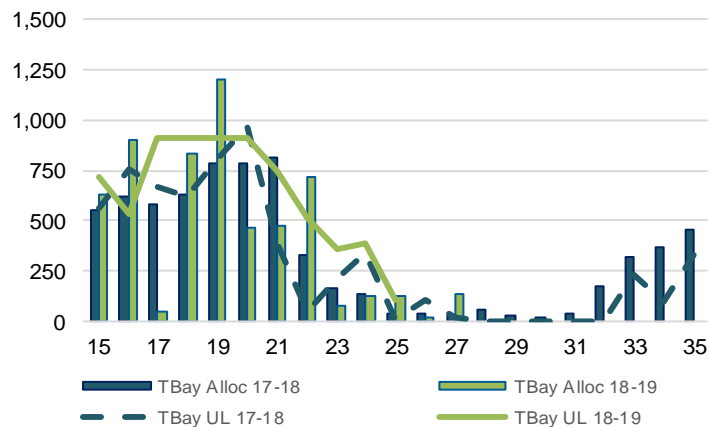
3-A: Canadian National Planned Car Allocation vs. Demand (cars) To Week 27 2018-19 Crop Year



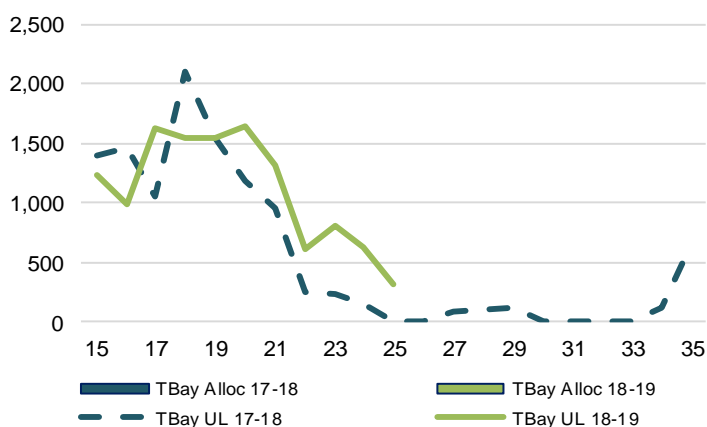
3-B3: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Prince Rupert



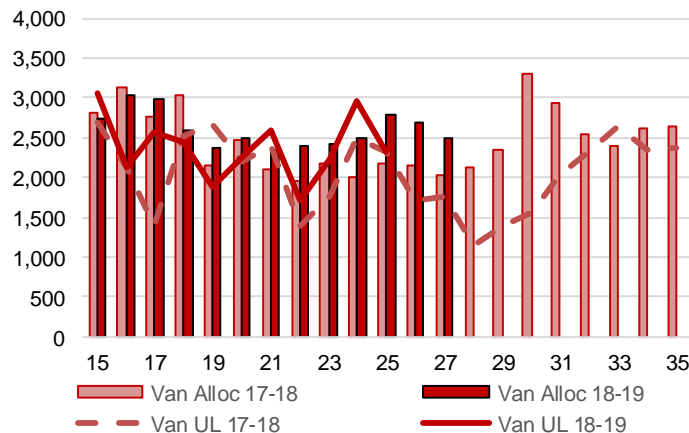
3-B1: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Thunder Bay



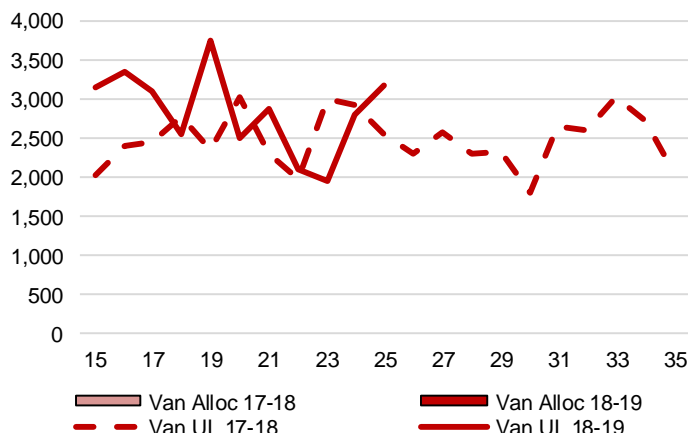
3-C1: Canadian Pacific Planned Car Allocation to Western Ports vs. Corridor Unloads at Port (cars) – Thunder Bay



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 25, 4-Week Moving Average and Variances

	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2018-19	5,503	1,488	6,991	424	-	7,415
2017-18	4,874	1,091	5,965	9	-	5,974
4-Wk Avg.	4,819	1,360	6,179	933	-	7,112
Var % to Last Year	13%	36%	17%	4611%	n/a	24%
Var % to 4-Wk Avg.	14%	9%	13%	-55%	n/a	4%

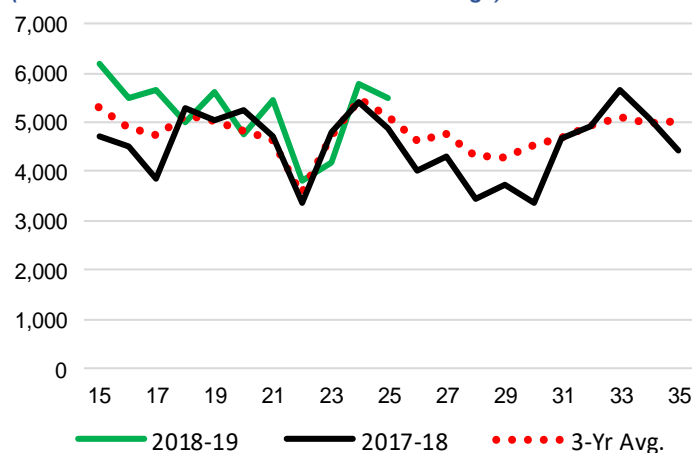
4-B Terminal Unloads by Port – This Year-to-Date as at Week 25 and Variances

YTD Unloads (cars)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2018-19	123,031	31,096	154,127	46,256	-	200,383
2017-18	119,245	26,987	146,232	43,849	-	190,081
3-Yr Avg	118,822	29,744	148,566	46,753	-	195,319
Var % to Last Year	3%	15%	5%	5%	n/a	5%
Var % to 3-Yr Avg	4%	5%	4%	-1%	n/a	3%

YTD Unloads ('000 tonnes)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2018-19	11,123.4	2,888.2	14,011.6	4,298.5	-	18,310.1
2017-18	10,726.6	2,427.2	13,153.8	4,013.2	-	17,167.0
3-Yr Avg.	10,692.5	2,702.4	13,394.9	4,299.0	-	17,693.9
Var % to Last Year	4%	19%	7%	7%	n/a	7%
Var % to 3-Yr Avg.	4%	7%	5%	0%	n/a	3%

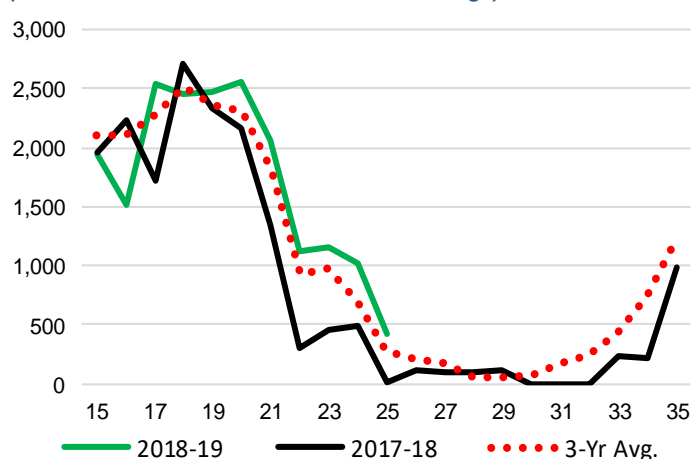
4-C Vancouver Unloads (cars)

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



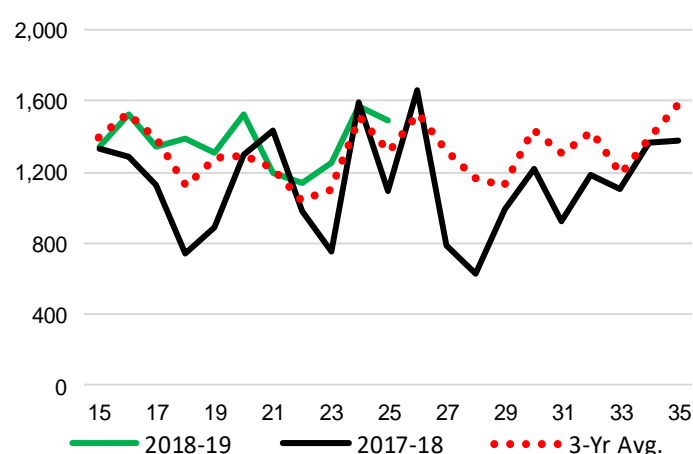
4-E Thunder Bay Unloads (cars)

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

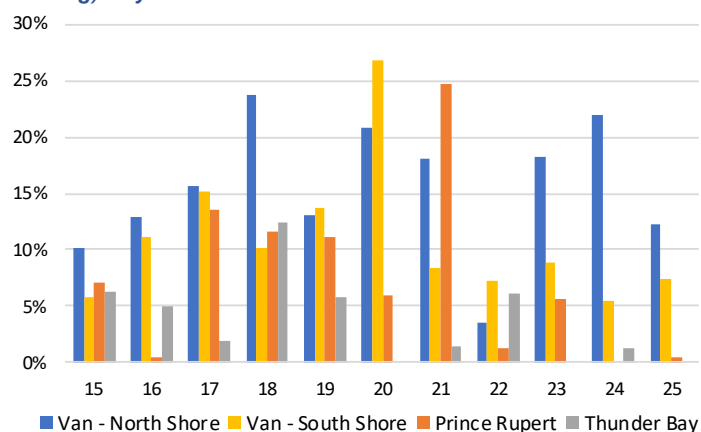


4-D Prince Rupert Unloads (cars)

(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 25



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 22

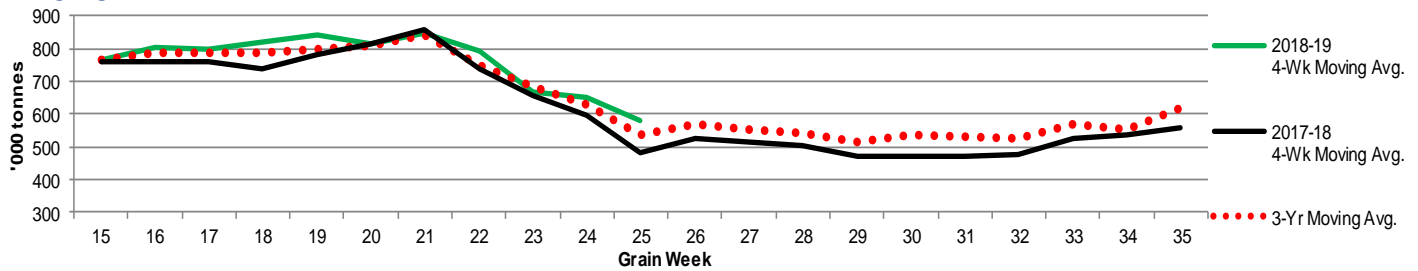
Months	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Weeks	1-5	6-9	10-14	15-18	19-22	23-27	28-31	32-35	36-39	40-44	45-48	49-53
2018-19	31,421	32,599	44,576	36,392	33,023	-	-	-	-	-	-	-
2017-18	30,257	34,807	35,650	40,849	29,069	30,453	19,212	26,541	32,503	38,863	26,637	27,864
3-Yr Avg.	30,958	33,617	38,742	40,572	30,296	28,408	23,481	32,560	33,611	34,667	28,510	26,188
Var % to Last Year	4%	-6%	25%	-11%	14%							
Var % to 3-Yr Avg.	1%	-3%	15%	-10%	9%							

5. Shipments

5-A Shipments from Port Terminals ('000 tonnes) – This Year-to-Date as at Week 25 and Variance to Last Year-to-Date

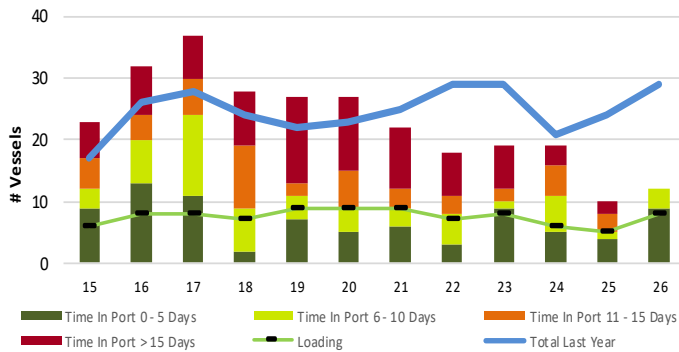
	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2018-19	10,331.5	2,838.0	13,169.5	4,210.7	26.9	17,407.1
2017-18	10,673.0	2,455.1	13,128.1	4,043.4	-	17,171.5
3-Yr Avg.	10,450.9	2,626.0	13,077.0	4,303.8	9.0	17,389.7
Var % to Last Year	-3%	16%	0%	4%	n/a	1%
Var % to 3-Yr Avg.	-1%	8%	1%	-2%	200%	0%

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.

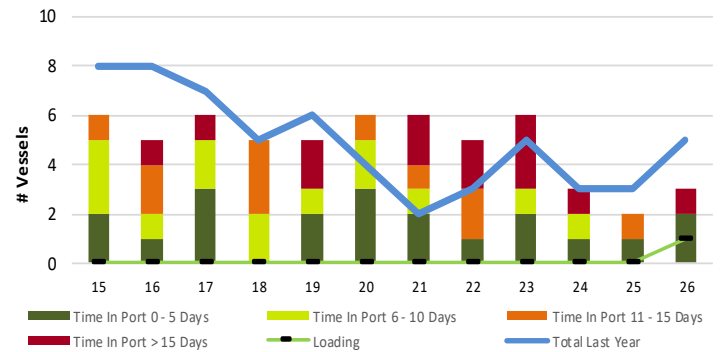


6. Vessels

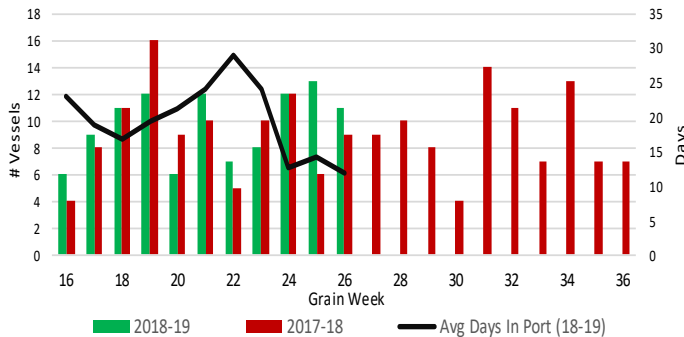
6-A Vessel Lineup at Vancouver as of Week 26 2018-19



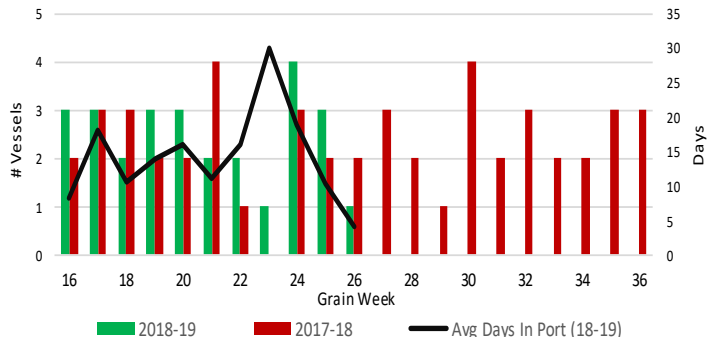
6-C Vessel Lineup at Prince Rupert as of Week 26 2018-19



6-B Vessels Cleared at Vancouver up to Week 26 2018-19



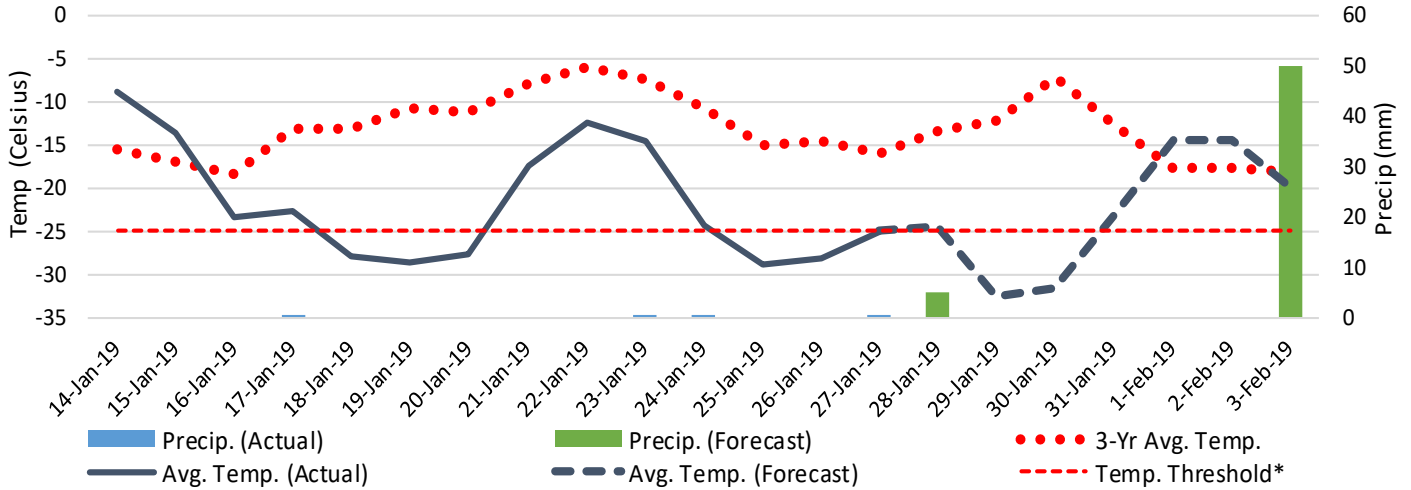
6-D Vessels Cleared at Prince Rupert up to Week 26 2018-19



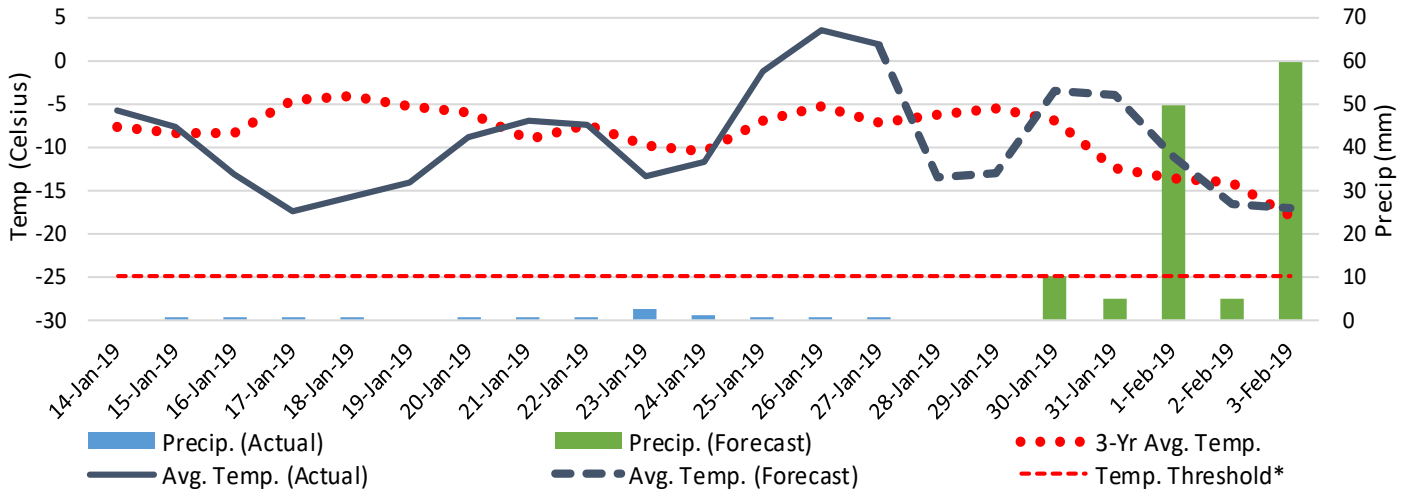
Note: The "Time in Port" measure for 6-A and 6-C is calculated as how long each vessel in the lineup has been in port as at Sunday of that grain week. The 'Avg Days in Port' measure for 6-B and 6-D is the average number of days that all vessels which cleared that week were in port. These measure use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

7. Weather

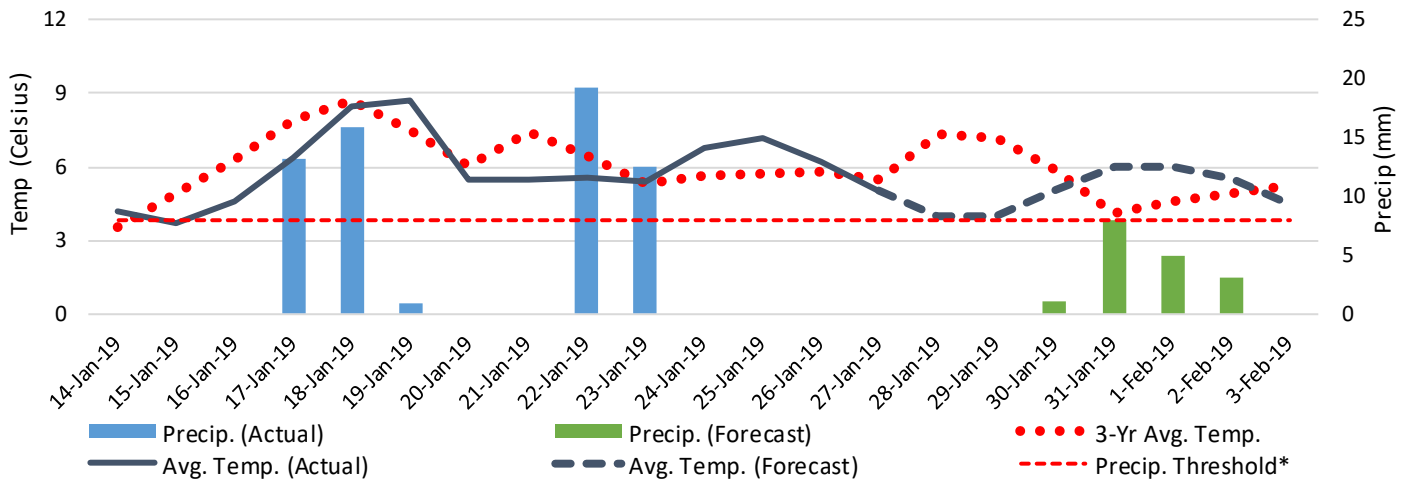
7-A Actual and Forecasted Weather at Winnipeg up to Week 27



7-B Actual and Forecasted Weather at Edmonton up to Week 27



7-C Actual and Forecasted Weather at Vancouver up to Week 27



*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)