

# Grain Monitoring Program

## Weekly Performance Update

January 8, 2019

For Grain Week 22 (2018-19 CY)

### Summary

	This Week	Last Week	Var. from Last Year	
<b>1. Stocks in Store ('000 tonnes)</b>				
Country Elevators	— 3,630.2	3,630.2	2%	
% of Working Capacity	73%	73%		
Terminal Elevators	— 1,141.0	1,141.0	19%	
% of Working Capacity	66%	66%		
<b>2. Country Deliveries ('000 tonnes)</b>				
Country Deliveries	— 753.5	753.5	37%	
<b>3. Railcar Supply to Western Ports (Cars)</b>				
CN Allocation Plan	↓ 4,269	4,329	2%	
CN Unloads	↓ 3,360	4,528	39%	
CP Allocation Plan	n/a	n/a	n/a	
CP Unloads	↓ 2,716	4,190	22%	
<b>4. Port Performance (Cars)</b>				
Total Weekly Unloads	↓ 6,076	8,718	31%	
4-Week Rolling Average	↓ 8,256	8,945	n/a	
Var. to 4-Week Rolling Average	↓ -26%	-3%	n/a	
YTD Unloads	↑ 178,010	171,934	4%	
Weekly Out-of-Car Time	↓ 5.5%	11.4%	-49.4%	
<b>5. Terminal Shipments Year-to-Date ('000 tonnes)</b>				
Vancouver	↑ 9,070.7	8,698.0	-4%	
Prince Rupert	↑ 2,492.8	2,351.2	16%	
Churchill	— 26.9	26.9	n/a	
Thunder Bay	↑ 4,037.1	3,982.6	1%	
Total Western Canada	15,627.5	15,058.7	0%	
<b>6. Vessels as at Jan 6, 2019</b>				
	Week 23	Week 22	Var. from Last Year	
Vancouver	Vessel Lineup in port	— 18	18	-40%
	Vessels Cleared	↑ 8	7	-20%
	Vessels Arrived	↑ 8	3	n/a
Pr. Rupert	Vessel Lineup in port	↑ 6	5	20%
	Vessels Cleared	↓ 1	2	n/a
	Vessels Arrived	↑ 2	1	n/a
<b>Vessels Inbound Jan 07, 2019 to Jan 13, 2019 (Week 24)</b>				
Vancouver	9			
Prince Rupert	2			
<b>7. Weather</b>				
	Week 22 Actual	Week 23 Actual	Week 24 Forecast	
Winnipeg <-25°C	0	1	0	
Edmonton <-25°C	0	0	0	
Vancouver Days Precip > 8mm	2	3	2	

### Note to Readers:

CGC Grain Statistics Weekly reports Grain Weeks 21 & 22 as a combined total.

The tables and charts in Sections 1 & 2 report half of the combined total Country Deliveries into each week. Country and Terminal Elevator stocks are reported as the same for Weeks 21 & 22.

#### 1. Stocks in Store: (Page 2)

- Country stocks decreased to 3.6 MMT in Weeks 21 & 22 from 4.0 MMT in Week 20, utilizing 73% of the system's working capacity. Space in primary elevators is good.
- Total western port terminal stocks remained at 1.1 MMT in Week 21 & 22, utilizing 66% of the working capacity.

#### 2. Country Deliveries: (Page 2)

- Producer deliveries were 1,506,900 tonnes in Weeks 21 & 22 combined.

#### 3. Railcar Supply: (Page 3)

- Railcar allocation plans are supplied by CN to Week 24 of the 2018-19 grain year (see page 3 for details).

#### 4. Port Performance: (Page 4)

- Total western port unloads were 26% lower than the 4-week moving average and 31% higher than Week 22 last year.
- West Coast unloads were 4,947 cars (Vancouver 3,812 and Prince Rupert 1,135), 20% lower than the 4-week moving average and 14% higher than Week 22 last year.
- Thunder Bay unloads were 1,129 cars, 45% lower than the 4-week moving average and 284% higher than Week 22 last year.
- Year-to-date total western port unloads are 4% higher than the same period last year. The corresponding tonnage is 6% higher than the same period last year.
- The total average terminal out-of-car time (OCT) decreased to 5.5% from 11.4% in the previous week. The OCT time for Week 22 was 5.7% at Vancouver, 6.1% at Thunder Bay, and 1.3% at Prince Rupert.

#### 5. Shipments: (Page 5)

- Year-to-date Western Canadian shipments from port terminal elevators at Week 22 are even with the same period last year and even with the 3-year average.

#### 6. Vessels: (Page 5)

- Week 23 lineup at Vancouver remained at 18 vessels (The current one-year average at Vancouver is 22 vessels). Of the 18, 8 were at berth, 6 were anchored at English Bay, and 4 were anchored off Vancouver Island.
- Prince Rupert vessel lineup increased to 6 vessels (The current one-year average at Prince Rupert is 4 vessels).
- Vessels cleared from Vancouver were 8, and from Prince Rupert was 1 in Week 23 of the 2018-19 crop year.

#### 7. Weather: (Page 6)

- Exceptionally high levels of snowfall in the rocky mountain passes over the past seven days have required avalanche control and consequently slowed movement of traffic.

## 1. Stocks in Store

### 1-A1 Country Stocks ('000 tonnes) – Week 22

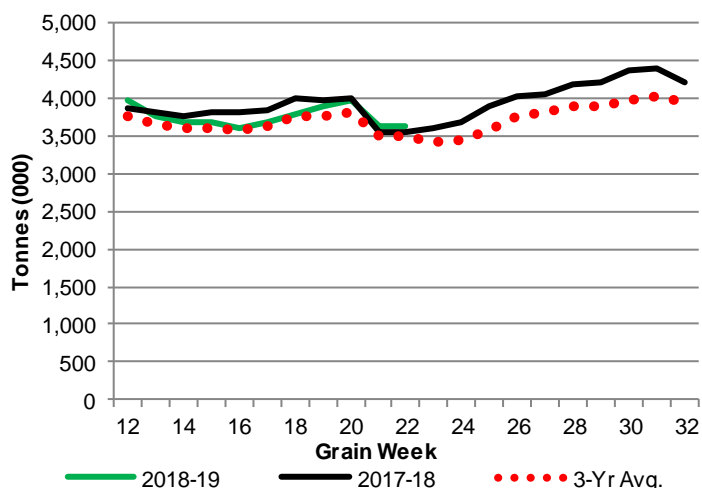
	MB	SK	AB	BC	Total
2018-19	701.3	1,841.6	1,066.2	21.1	3,630.2
2017-18	749.2	1,747.8	1,023.5	26.9	3,547.4
3-Yr Avg.	743.8	1,738.3	988.4	24.3	3,494.9
Var % - LY	-6%	5%	4%	-22%	2%
Var % 3-Yr Avg.	-6%	6%	8%	-13%	4%
Storage Capacity	1,599.2	4,013.3	2,031.1	41.1	7,684.7
Estimated Working Capacity	1,039.5	2,608.6	1,320.2	26.7	4,995.0
18-19 % of Wkg Cap	67%	71%	81%	79%	73%

### 1-B1 Terminal Stocks ('000 tonnes) – Week 22

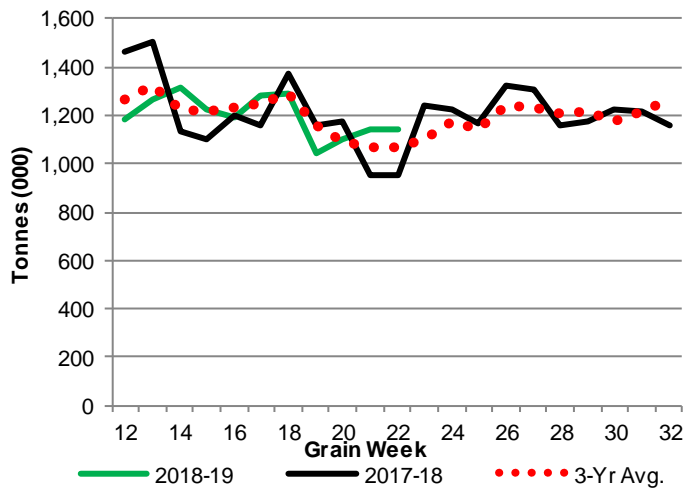
	VC	PR	West Coast	CH	TB	Total
2018-19	498.3	106.4	604.7	0.7	535.6	1,141.0
2017-18	n/a	n/a	557.0	29.5	369.2	955.7
3-Yr Avg.	n/a	n/a	629.9	19.9	415.5	1,065.3
Var % - LY	n/a	n/a	9%	-98%	45%	19%
Var % 3-Yr Avg.	n/a	n/a	-4%	-96%	29%	7%
Storage Capacity	978.0	209.5	1,187.5	140.0	1,157.5	2,485.0
Estimated Working Capacity	684.6	146.65	831.3	98.0	810.3	1,739.5
18-19 % of Wkg Cap	73%	73%	73%	1%	66%	66%

**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

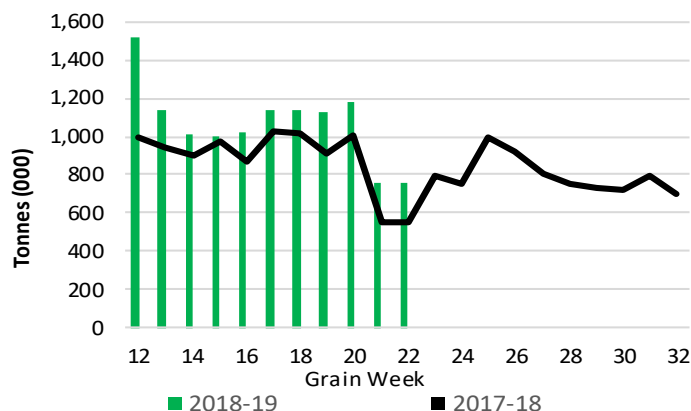


## 2. Country Deliveries

### 2-A Weekly Country Deliveries ('000 tonnes) – Week 22

	MB	SK	AB	BC	Total
2018-19	106.2	418.9	221.4	7.0	753.5
2017-18	81.2	274.5	186.0	7.8	549.4
4 Wk Avg	155.5	527.6	261.9	8.0	953.0
Var % to Last Year	31%	53%	19%	-10%	37%
Var % To 4 Wk Avg	-32%	-21%	-16%	-12%	-21%

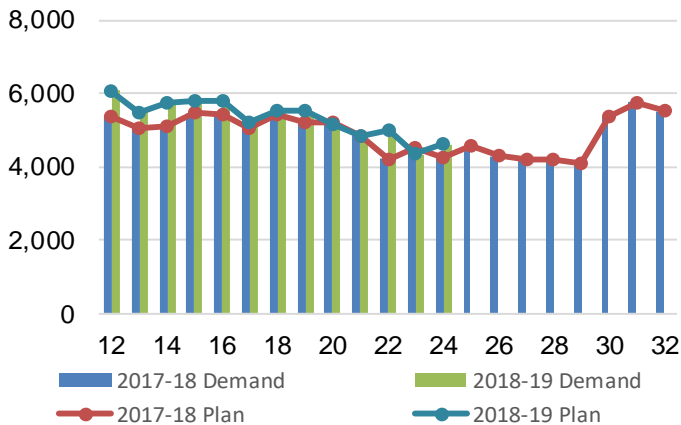
### 2-B 2018-19 Weekly Country Deliveries vs 2017-18



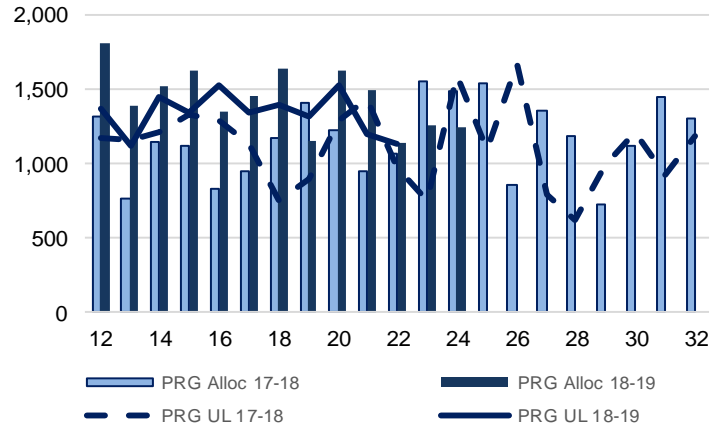
### 3. Railcar Supply

**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 24 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.

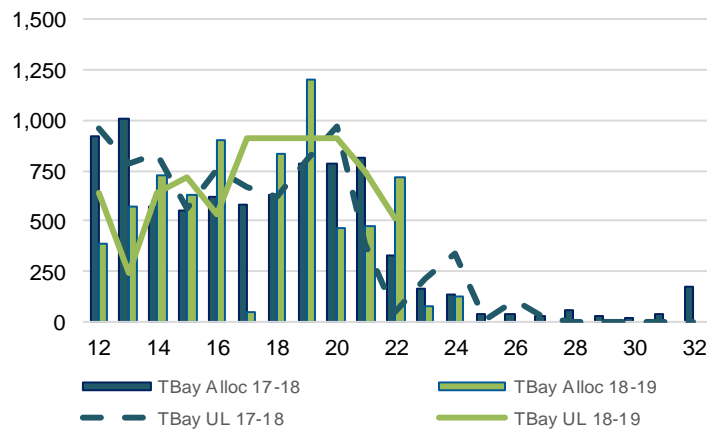
**3-A: Canadian National Planned Car Allocation vs. Demand (cars) To Week 24 2018-19 Crop Year**



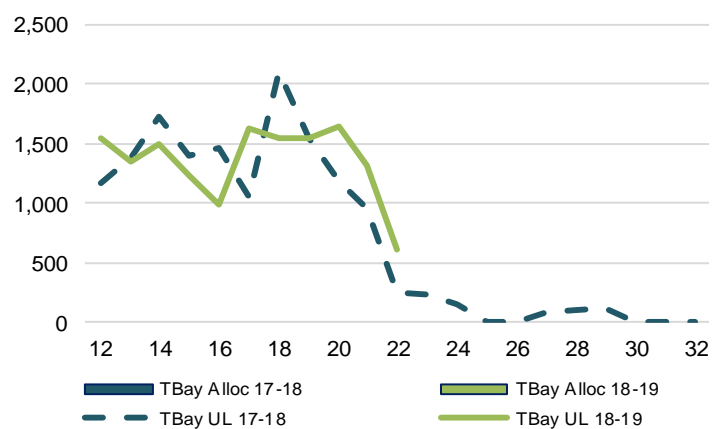
**3-B3: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Prince Rupert**



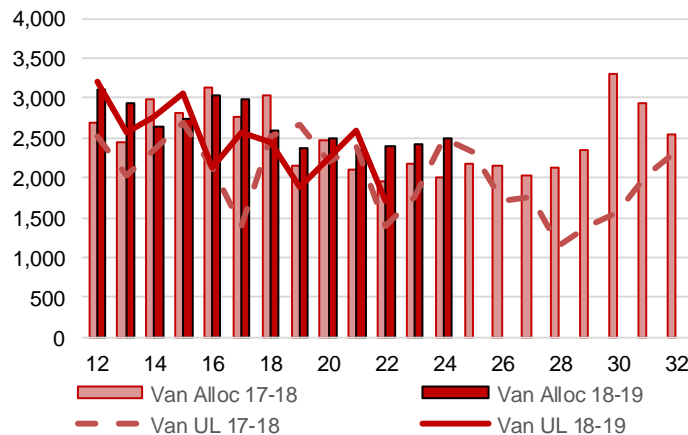
**3-B1: Canadian National Planned Car Allocation to Western Ports Vs. Corridor Unloads at Port (cars) – Thunder Bay**



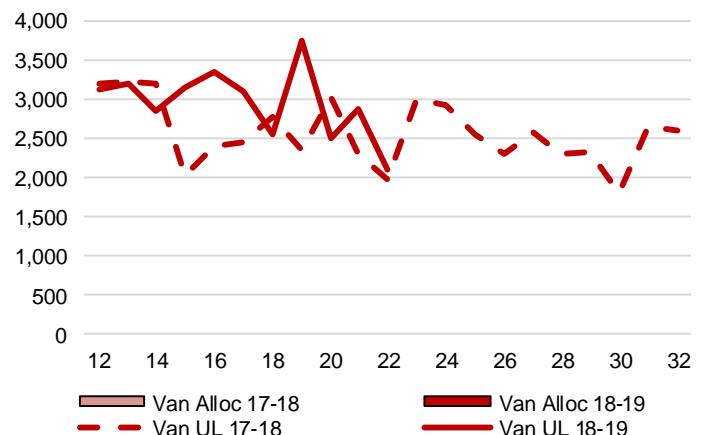
**3-C1: Canadian Pacific Planned Car Allocation to Western Ports vs. Corridor Unloads at Port (cars) – Thunder Bay**



**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 22, 4-Week Moving Average and Variances

	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2018-19	3,812	1,135	4,947	1,129	-	6,076
2017-18	3,374	979	4,353	294	-	4,647
4-Wk Avg.	4,909	1,291	6,200	2,056	-	8,256
Var % to Last Year	13%	16%	14%	284%	n/a	31%
Var % to 4-Wk Avg.	-22%	-12%	-20%	-45%	n/a	-26%

### 4-B Terminal Unloads by Port – This Year-to-Date as at Week 22 and Variances

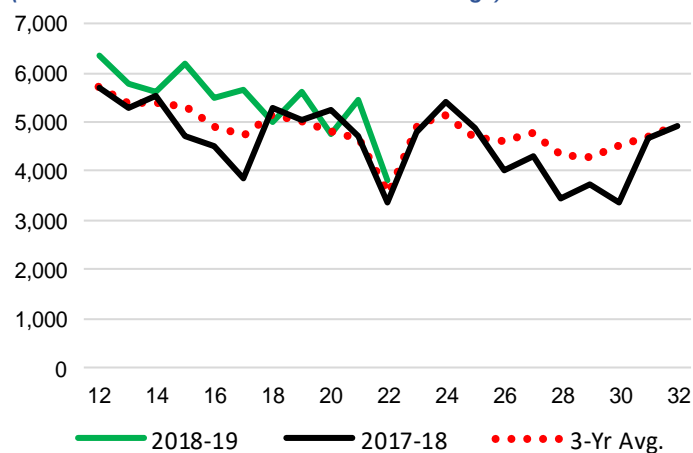
YTD Unloads (cars)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2018-19	107,568	26,790	134,358	43,652	-	178,010
2017-18	104,183	23,549	127,732	42,900	-	170,632
3-Yr Avg	103,552	25,821	129,373	44,813	-	174,186
Var % to Last Year	3%	14%	5%	2%	n/a	4%
Var % to 3-Yr Avg	4%	4%	4%	-3%	n/a	2%

YTD Unloads ('000 tonnes)	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2018-19	9,722.9	2,493.6	12,216.5	4,063.7	-	16,280.2
2017-18	9,380.6	2,115.1	11,495.7	3,930.9	-	15,426.6
3-Yr Avg.	9,327.5	2,351.3	11,678.8	4,125.8	-	15,804.5
Var % to Last Year	4%	18%	6%	3%	n/a	6%
Var % to 3-Yr Avg.	4%	6%	5%	-2%	n/a	3%

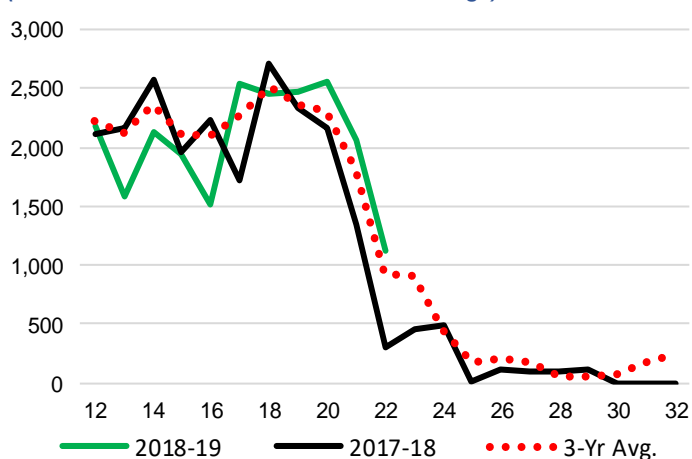
### 4-C Vancouver Unloads (cars)

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



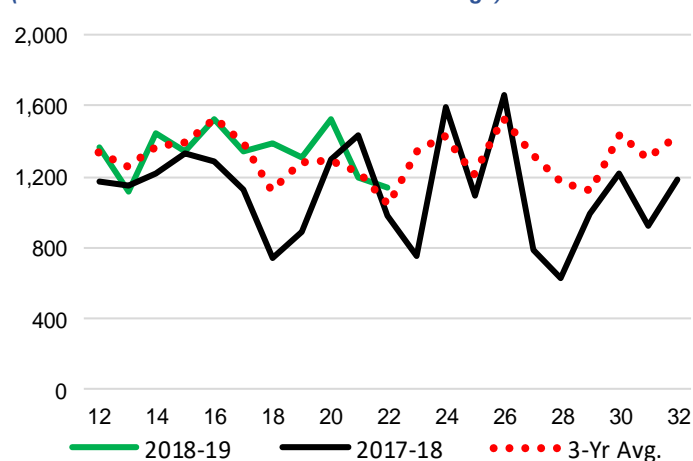
### 4-E Thunder Bay Unloads (cars)

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

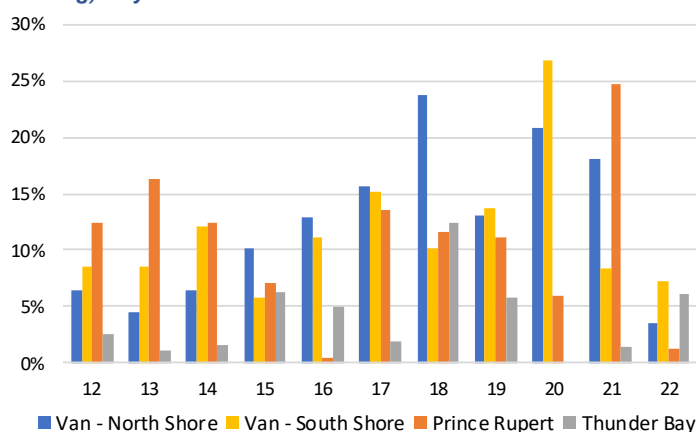


### 4-D Prince Rupert Unloads (cars)

(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 22



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**

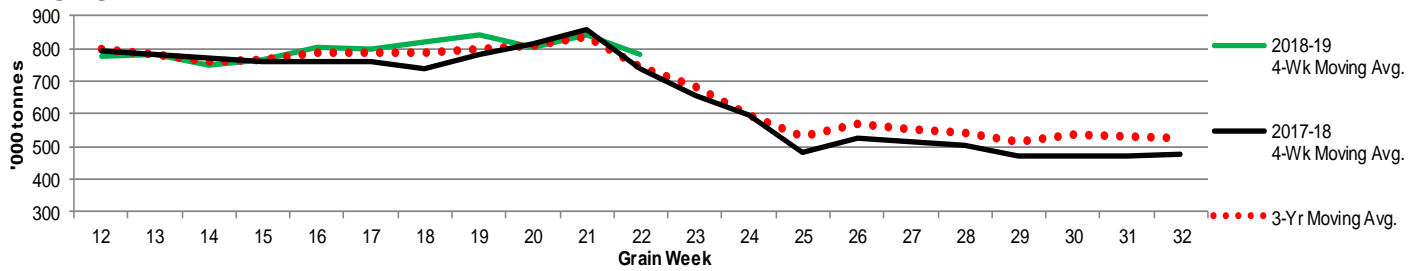
Months	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Weeks	1-5	6-9	10-14	15-18	19-22	23-27	28-31	32-35	36-39	40-44	45-48	49-53
2018-19	31,421	32,599	44,576	36,391	33,023	-	-	-	-	-	-	-
2017-18	30,257	34,807	35,650	40,849	29,069	30,453	19,212	26,541	32,503	38,863	26,637	27,864
3-Yr Avg.	30,958	33,617	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 22 and Variance to Last Year-to-Date**

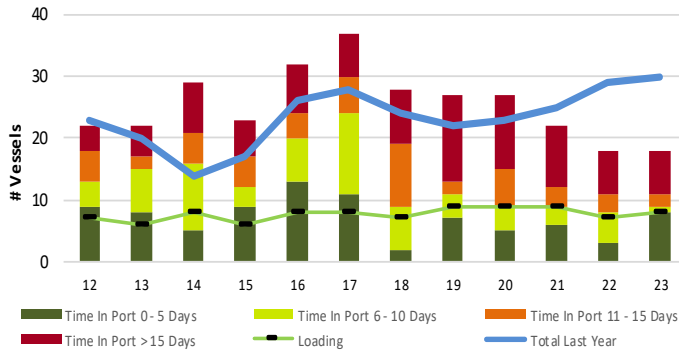
	Vancouver	Prince Rupert	West Coast	Thunder Bay	Churchill	Total
2018-19	9,070.7	2,492.8	11,563.5	4,037.1	26.9	15,627.5
2017-18	9,431.1	2,144.6	11,575.7	3,986.6	-	15,562.3
3-Yr Avg.	9,174.4	2,310.2	11,484.6	4,170.0	9.0	15,663.6
Var % to Last Year	-4%	16%	0%	1%	n/a	0%
Var % to 3-Yr Avg.	-1%	8%	1%	-3%	200%	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.**

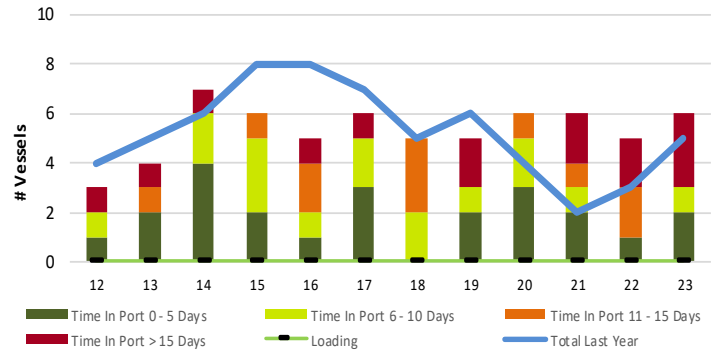


**6. Vessels**

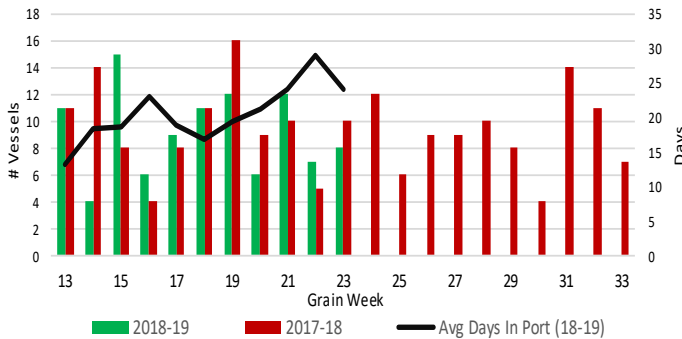
**6-A Vessel Lineup at Vancouver as of Week 23 2018-19**



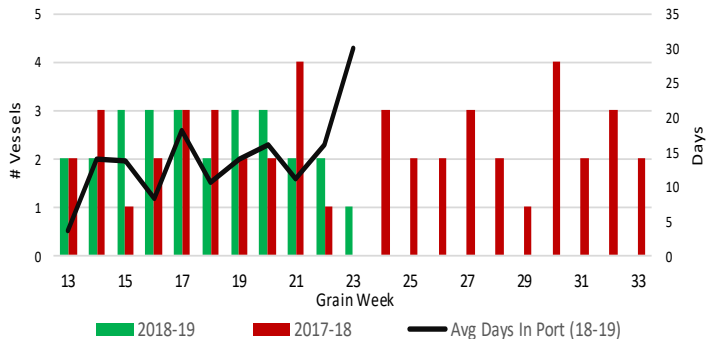
**6-C Vessel Lineup at Prince Rupert as of Week 23 2018-19**



**6-B Vessels Cleared at Vancouver up to Week 23 2018-19**



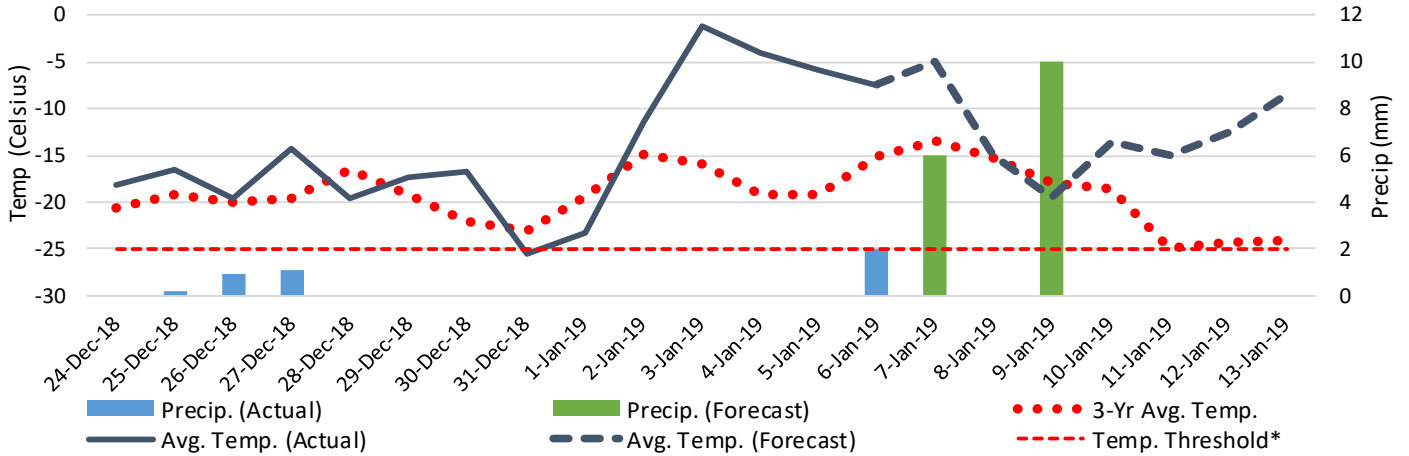
**6-D Vessels Cleared at Prince Rupert up to Week 23 2018-19**



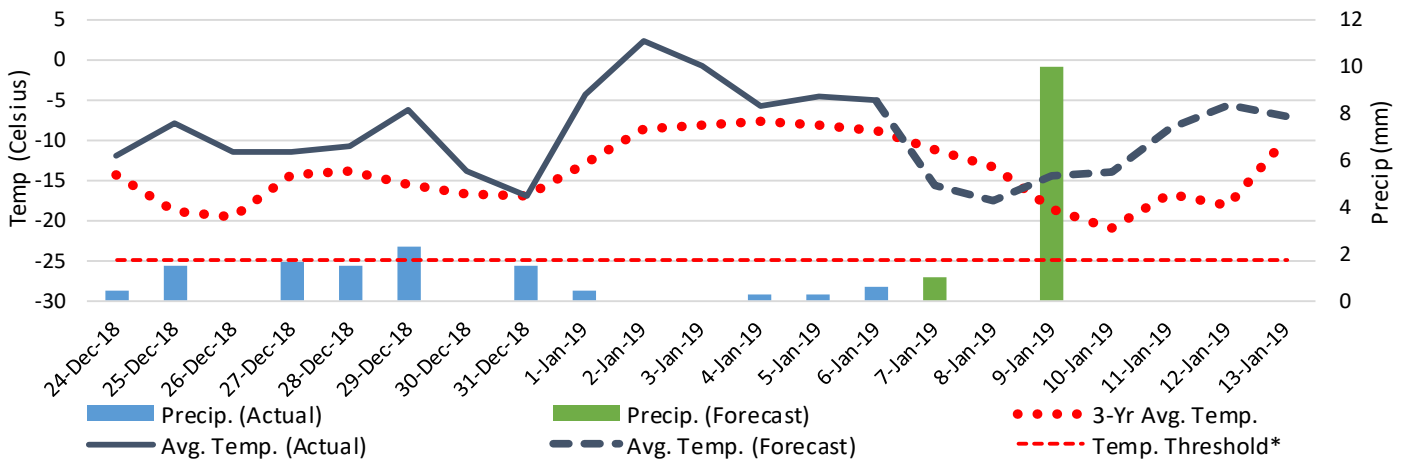
Note: The 'Time in Port' measure for 6-A and 6-C is calculated as how long each vessel in the lineup has been in port as at Sunday of that grain week. The 'Avg Days in Port' measure for 6-B and 6-D is the average number of days that all vessels which cleared that week were in port. These measure use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

# 7. Weather

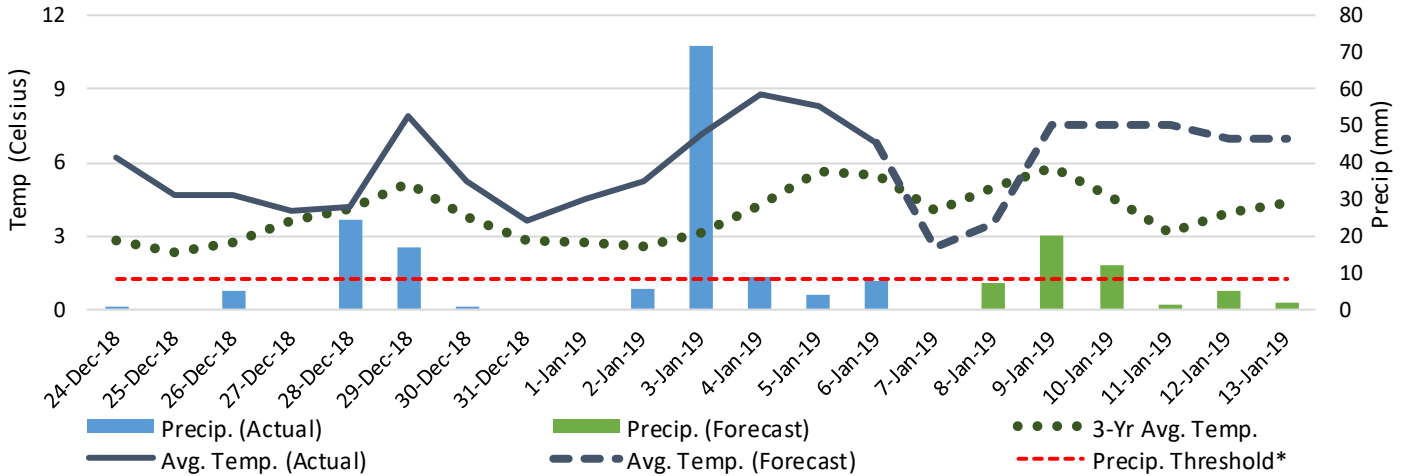
7-A Actual and Forecasted Weather at Winnipeg up to Week 24



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



7-C Actual and Forecasted Weather at Vancouver up to Week 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 Canada, The Weather Network (Forecast)