

PEAKS ISLAND

Residential Boarding Pass Program

Analysis of Summer 2025

↑ OUTBOUND Portland → Peaks Island — Average Load by Departure Time & Day Type

All summer months combined | Passenger counts capped at 399 | Low = <40% capacity | Mod = 40–59% | High = ≥60%

Departure	Weekday Average			Weekend Average		
	Avg Pax	% Cap	Status	Avg Pax	% Cap	Status
09:15	152	38%	Low	166	42%	Mod
10:15	221	55%	Mod	291	73%	High
11:15	241	60%	High	323	81%	High
12:15	231	58%	Mod	336	84%	High
14:15	232	58%	Mod	354	89%	High
15:15	151	38%	Low	254	64%	High
16:30	153	38%	Low	171	43%	Mod
17:35	149	37%	Low	134	34%	Low
19:15	97	24%	Low	82	21%	Low

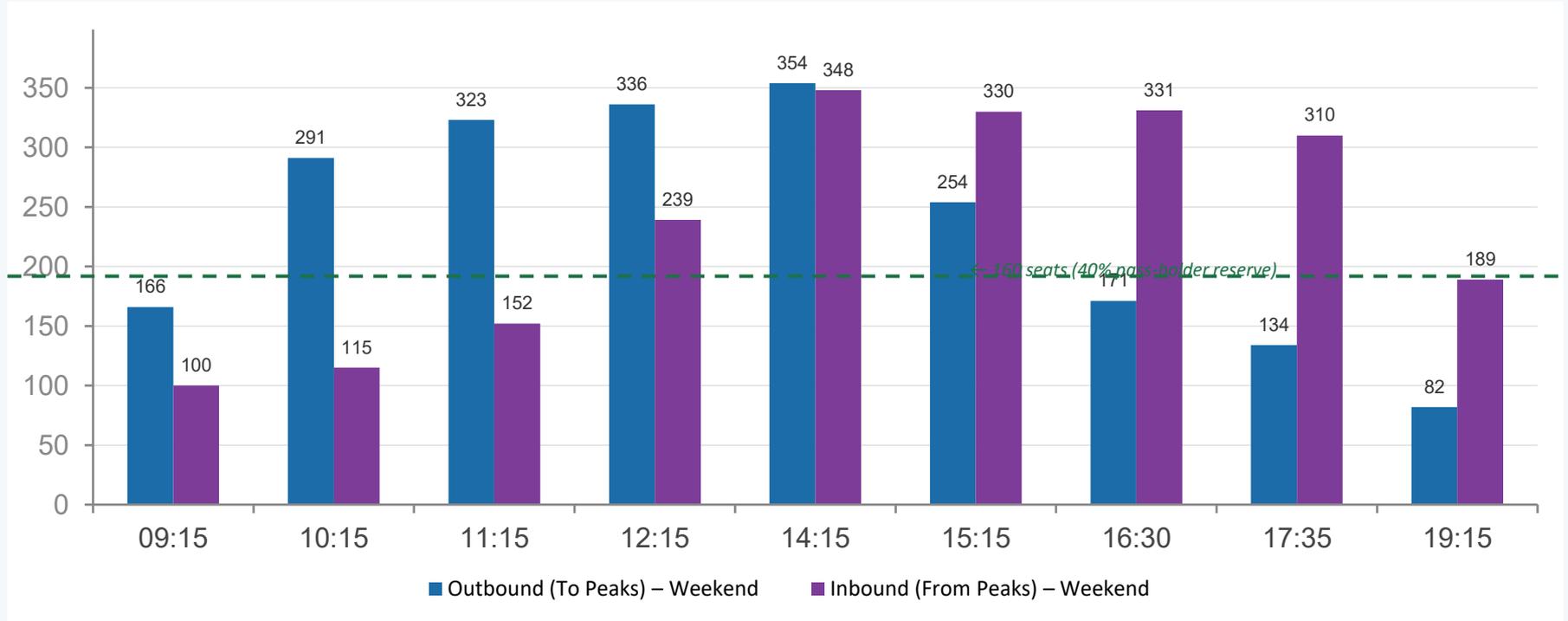
↓ INBOUND Peaks Island → Portland — Average Load by Departure Time & Day Type

All summer months combined | Passenger counts capped at 399 | Inbound peak hours are later in the day than outbound | Low = <40% | Mod = 40–59% | High = ≥60%

Departure	Weekday Average			Weekend Average		
	Avg Pax	% Cap	Status	Avg Pax	% Cap	Status
09:15	98	25%	Low	100	25%	Low
10:15	86	22%	Low	115	29%	Low
11:15	111	28%	Low	152	38%	Low
12:15	194	49%	Mod	239	60%	High
14:15	326	82%	High	348	87%	High
15:15	249	62%	High	330	83%	High
16:30	213	53%	Mod	331	83%	High
17:35	139	35%	Low	310	78%	High
19:15	122	31%	Low	189	47%	Mod

Outbound vs. Inbound — The Pass Matters at Different Times of Day

Outbound pressure peaks mid-morning (10:15–14:15). Inbound pressure peaks in the afternoon and evening (14:15–17:35 on weekends). The pass is useful, but at different hours.



↑ OUTBOUND Summary Grid — Portland → Peaks (All Months & Day Types)

Departure	June Weekday	June Weekend	July Weekday	July Weekend	Aug Weekday	Aug Weekend
09:15	115 <i>Low</i>	102 <i>Low</i>	172 <i>Mod</i>	188 <i>Mod</i>	168 <i>Mod</i>	207 <i>Mod</i>
10:15	161 <i>Mod</i>	202 <i>Mod</i>	239 <i>High</i>	306 <i>High</i>	261 <i>High</i>	358 <i>High</i>
11:15	169 <i>Mod</i>	223 <i>Mod</i>	263 <i>High</i>	323 <i>High</i>	287 <i>High</i>	394 <i>High</i>
12:15	156 <i>Low</i>	237 <i>Mod</i>	256 <i>High</i>	374 <i>High</i>	278 <i>High</i>	396 <i>High</i>
14:15	179 <i>Mod</i>	313 <i>High</i>	255 <i>High</i>	354 <i>High</i>	258 <i>High</i>	390 <i>High</i>
15:15	121 <i>Low</i>	167 <i>Mod</i>	171 <i>Mod</i>	259 <i>High</i>	158 <i>Mod</i>	254 <i>High</i>
16:30	126 <i>Low</i>	141 <i>Low</i>	169 <i>Mod</i>	171 <i>Mod</i>	164 <i>Mod</i>	171 <i>Mod</i>
17:35	127 <i>Low</i>	102 <i>Low</i>	166 <i>Mod</i>	134 <i>Low</i>	151 <i>Low</i>	134 <i>Low</i>
19:15	87 <i>Low</i>	66 <i>Low</i>	100 <i>Low</i>	82 <i>Low</i>	102 <i>Low</i>	82 <i>Low</i>

Low = avg < 40% capacity | Mod = 40–59% | High = ≥ 60% (counts capped at 399)

↓ INBOUND Summary Grid — Peaks → Portland (All Months & Day Types)

Departure	June Weekday	June Weekend	July Weekday	July Weekend	Aug Weekday	Aug Weekend
09:15	85 <i>Low</i>	75 <i>Low</i>	101 <i>Low</i>	125 <i>Low</i>	109 <i>Low</i>	104 <i>Low</i>
10:15	68 <i>Low</i>	90 <i>Low</i>	92 <i>Low</i>	140 <i>Low</i>	99 <i>Low</i>	118 <i>Low</i>
11:15	85 <i>Low</i>	131 <i>Low</i>	115 <i>Low</i>	142 <i>Low</i>	133 <i>Low</i>	180 <i>Mod</i>
12:15	136 <i>Low</i>	143 <i>Low</i>	210 <i>Mod</i>	272 <i>High</i>	234 <i>Mod</i>	299 <i>High</i>
14:15	250 <i>High</i>	267 <i>High</i>	352 <i>High</i>	390 <i>High</i>	372 <i>High</i>	383 <i>High</i>
15:15	178 <i>Mod</i>	269 <i>High</i>	274 <i>High</i>	348 <i>High</i>	293 <i>High</i>	382 <i>High</i>
16:30	154 <i>Low</i>	252 <i>High</i>	229 <i>Mod</i>	357 <i>High</i>	254 <i>High</i>	381 <i>High</i>
17:35	94 <i>Low</i>	211 <i>Mod</i>	159 <i>Mod</i>	318 <i>High</i>	162 <i>Mod</i>	394 <i>High</i>
19:15	94 <i>Low</i>	102 <i>Low</i>	140 <i>Low</i>	209 <i>Mod</i>	132 <i>Low</i>	257 <i>High</i>

Low = avg < 40% capacity | Mod = 40–59% | High = ≥ 60% (counts capped at 399)

Time Cost

Assumption: priority boarding adds 2.5 minutes per boarding event | Applied to every Low and Moderate trip in both directions | High demand trips retain priority boarding

46.7 hours

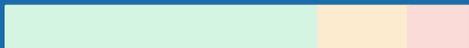
 spent across Summer 2025 (2,803 minutes)

JUNE

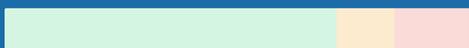
1128 min

18.8 hours

↑ Out



229 of 264 trips eliminated
↓ In



222 of 264 trips eliminated

Bar shows share of trips by demand level

Low

JULY

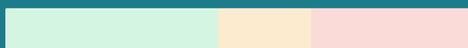
890 min

14.8 hours

↑ Out



178 of 270 trips eliminated
↓ In



178 of 270 trips eliminated

Moderate

AUGUST

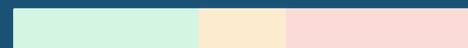
785 min

13.1 hours

↑ Out



154 of 272 trips eliminated
↓ In

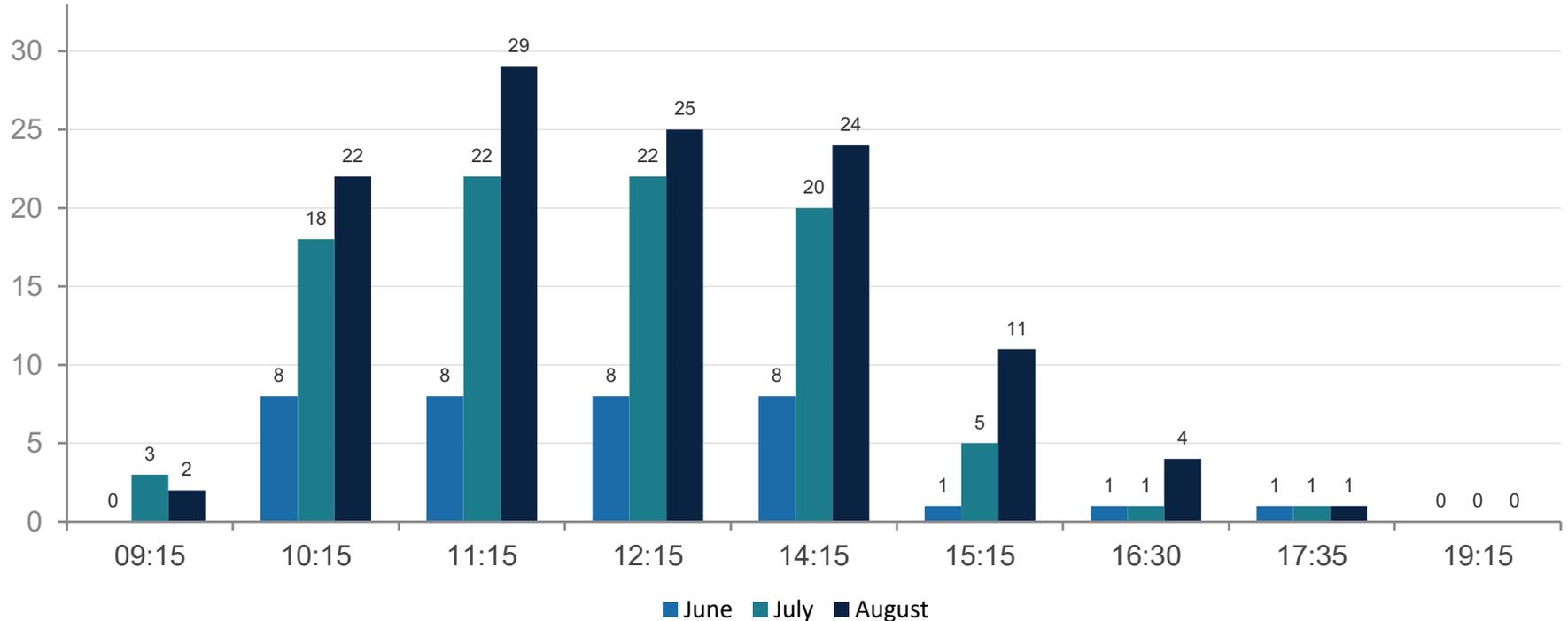


160 of 272 trips eliminated

High (retained)

↑ OUTBOUND — Trips Exceeding 60% Capacity (>239 passengers) by Departure Time

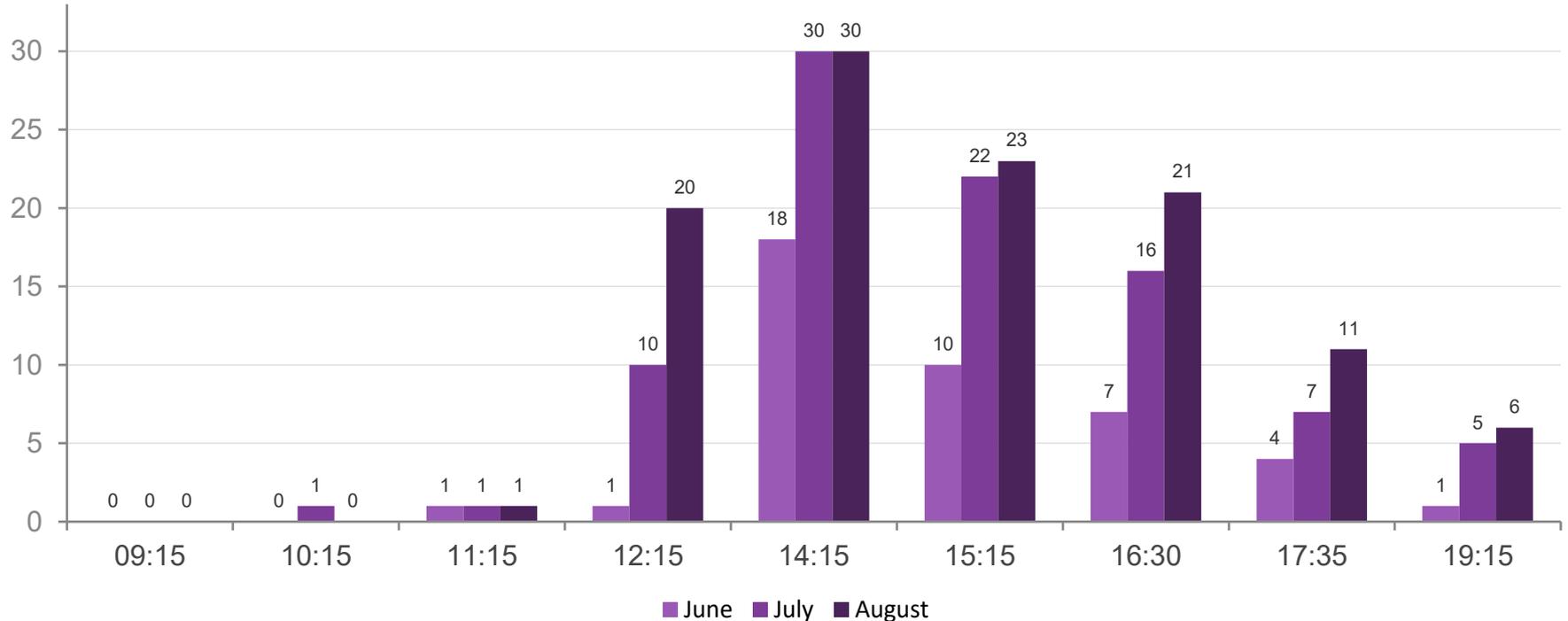
Count of individual scheduled Machigonne trips where outbound passengers exceeded 60% of vessel capacity (239+ pax) | Weekday and weekend combined | Counts capped at 399



Max possible trips per slot: ~30–33 (varies by month due to schedule). August 11:15 had 29 of 31 trips above threshold — nearly every day.

↓ INBOUND — Trips Exceeding 60% Capacity (>239 passengers) by Departure Time

Count of individual scheduled Machigonne trips where inbound passengers exceeded 60% of vessel capacity (239+ pax) | Weekday and weekend combined | Counts capped at 399



Unlike outbound, inbound high-demand trips extend through the late afternoon and evening — July 14:15 had 30 of 31 trips above threshold. The 19:15 slot also shows meaningful pressure in July and August.

Key Takeaways

Morning inbound — consistently low demand all season

09:15 and 10:15 departures from Peaks Island average only 86–115 passengers. Residents heading to Portland in the morning face little boarding competition regardless of the pass.

Outbound peak: 10:15–14:15, Jul/Aug weekends

These departures regularly reach full capacity outbound. The pass delivers its clearest benefit for residents heading to the island during high-demand summer windows.

Inbound peak: 14:15–17:35, Jul/Aug weekends (and weekdays)

The return crush is severe and extends into the evening — later than outbound pressure. Aug weekend 17:35 averages 394 inbound passengers, effectively full capacity.

46.7 hours spent when program not needed

Removing priority boarding from Low and Moderate demand trips — 1,121 of 1,612 total boarding events (69.5%) — would save approximately 2,803 minutes across June, July, and August.