

Request under the *Freedom of Information and Protection of Privacy Act*:

Part 1

For the following sailings:

- *Route 2:
September 14, 2021 Departure Bay to Horseshoe Bay 1:15pm sailing;*
- *Route 30:
September 13, 2021 all sailings departing Tsawwassen; and
September 14, 2021 all sailings departing Duke Point.*

The vessel deck space occupied as percentage of overall deck space (i.e., capacity utilization)

Response:

Route	Departure Terminal	Sailing Time	Date	Capacity Utilization
2	DEP	1:15 PM	21-09-14	92%
30	TSA	5:15 AM	21-09-13	76%
30	TSA	7:45 AM	21-09-13	85%
30	TSA	10:15 AM	21-09-13	95%
30	TSA	12:45 PM	21-09-13	99%
30	TSA	3:15 PM	21-09-13	97%
30	TSA	5:45 PM	21-09-13	100%
30	TSA	8:15 PM	21-09-13	69%
30	TSA	9:15 PM	21-09-13	30%
30	TSA	10:45 PM	21-09-13	46%
30	DUKE	12:15 AM	21-09-14	27%
30	DUKE	5:15 AM	21-09-14	65%
30	DUKE	7:45 AM	21-09-14	71%
30	DUKE	10:15 AM	21-09-14	93%
30	DUKE	12:45 PM	21-09-14	99%
30	DUKE	3:15 PM	21-09-14	89%
30	DUKE	5:45 PM	21-09-14	86%
30	DUKE	8:15 PM	21-09-14	64%
30	DUKE	10:45 PM	21-09-14	30%

Route 2 connects Horseshoe Bay with Nanaimo (Departure Bay)
 Rout 30 connects Tsawwassen with Nanaimo (Duke Point)

Part 2

For the following sailings:

- *Route 2:*
September 14, 2021 Departure Bay to Horseshoe Bay 1:15pm sailing;
- *Route 30:*
September 13, 2021 all sailings departing Tsawwassen; and
September 14, 2021 all sailings departing Duke Point.

The 'Current conditions' (i.e., percentage of vessel deck space available) as they existed at given times ahead of each sailing departure. For this purpose, increments of two, one and 0.5 hours were used in advance of each sailing.

Response:

Please see attached document. Definitions used in the document:

- Route – Numerical identifier for the departure / destination combination
- Dept – Short for Departure Terminal
- Dest – Short for Destination Terminal
- Departure – The scheduled departure time for the sailing
- Vessel – Short name for the vessel assigned to the sailing
- PCT – Total percentage of deck space used
- PCT_MIX – Percentage of the lower car deck space used
- PCT_PV – Percentage of the upper car deck space used
- CAR_WAITS – Calculated number of sailing waits for space on the upper car deck
- TRUCK_WAITS – Calculated number of sailing waits for space on the lower car deck
- PCTS_WEB – Values provided to Current Conditions; note that in some cases an override is used by the tower which changes the value to 100% used, even if the reserved and ticketed values do not necessarily add up to 100%
- LAST_UPDATE_TS – Time that the row was written into the historical tables. Used to provide the data as at 2 hour / 1 hour / 30 minute / Actual Departure time.

Note that values are percentage-full. BC Ferries' website will invert to provide percentage-available, so for example if the upper car deck was calculated at 71% full, Current Conditions will display 29% available.

Route 30 (Tsawwassen to Duke Point) - September 13, 2021

ROUTE	DEPT	DEST	DEPARTURE	VESSEL	PCT	PCT_MIX	PCT_PV	CAR_WAITS	TRUCK_WAITS	PCTS_WEB	LAST_UPDATE_TS
30	TSA	DUK	9/13/2021 5:15:00 AM	ALB	71	86	56	0	0	71 86 56	9/13/2021 3:16:14 AM
30	TSA	DUK	9/13/2021 5:15:00 AM	ALB	71	86	56	0	0	71 86 56	9/13/2021 4:16:20 AM
30	TSA	DUK	9/13/2021 5:15:00 AM	ALB	84	100	68	0	1	84 100 68	9/13/2021 4:46:18 AM
30	TSA	DUK	9/13/2021 5:15:00 AM	ALB	77	84	71	0	1	85 100 71	9/13/2021 5:12:18 AM
30	TSA	DUK	9/13/2021 7:45:00 AM	INS	69	52	86	0	0	69 52 86	9/13/2021 5:46:21 AM
30	TSA	DUK	9/13/2021 7:45:00 AM	INS	81	68	94	0	0	81 68 94	9/13/2021 6:46:18 AM
30	TSA	DUK	9/13/2021 7:45:00 AM	INS	85	71	100	0	0	85 71 100	9/13/2021 7:16:20 AM
30	TSA	DUK	9/13/2021 7:45:00 AM	INS	83	66	100	0	0	83 66 100	9/13/2021 7:50:15 AM
30	TSA	DUK	9/13/2021 10:15:00 AM	ALB	91	83	100	0	0	91 83 100	9/13/2021 8:16:20 AM
30	TSA	DUK	9/13/2021 10:15:00 AM	ALB	100	100	100	1	1	100 100 100	9/13/2021 9:16:17 AM
30	TSA	DUK	9/13/2021 10:15:00 AM	ALB	100	101	100	2	2	100 100 100	9/13/2021 9:46:20 AM
30	TSA	DUK	9/13/2021 10:15:00 AM	ALB	100	100	100	2	2	100 100 100	9/13/2021 10:18:15 AM
30	TSA	DUK	9/13/2021 12:45:00 PM	INS	100	101	100	1	1	100 100 100	9/13/2021 10:46:16 AM
30	TSA	DUK	9/13/2021 12:45:00 PM	INS	100	100	100	2	2	100 100 100	9/13/2021 11:46:13 AM
30	TSA	DUK	9/13/2021 12:45:00 PM	INS	100	100	100	2	2	100 100 100	9/13/2021 12:16:17 PM
30	TSA	DUK	9/13/2021 12:45:00 PM	INS	100	100	100	2	2	100 100 100	9/13/2021 1:00:18 PM
30	TSA	DUK	9/13/2021 3:15:00 PM	ALB	100	100	100	1	1	100 100 100	9/13/2021 1:16:13 PM
30	TSA	DUK	9/13/2021 3:15:00 PM	ALB	100	100	100	1	1	100 100 100	9/13/2021 2:16:16 PM
30	TSA	DUK	9/13/2021 3:15:00 PM	ALB	100	100	100	1	1	100 100 100	9/13/2021 2:46:18 PM
30	TSA	DUK	9/13/2021 3:15:00 PM	ALB	100	100	100	1	1	100 100 100	9/13/2021 3:26:22 PM
30	TSA	DUK	9/13/2021 5:45:00 PM	INS	95	98	92	0	0	95 98 92	9/13/2021 3:46:21 PM
30	TSA	DUK	9/13/2021 5:45:00 PM	INS	100	100	100	1	1	100 100 100	9/13/2021 4:46:14 PM
30	TSA	DUK	9/13/2021 5:45:00 PM	INS	100	100	100	1	1	100 100 100	9/13/2021 5:16:23 PM
30	TSA	DUK	9/13/2021 5:45:00 PM	INS	100	100	100	1	2	100 100 100	9/13/2021 6:00:19 PM
30	TSA	DUK	9/13/2021 8:15:00 PM	ALB	67	100	33	0	1	67 100 33	9/13/2021 6:16:13 PM
30	TSA	DUK	9/13/2021 8:15:00 PM	ALB	70	100	38	0	1	70 100 38	9/13/2021 7:16:21 PM
30	TSA	DUK	9/13/2021 8:15:00 PM	ALB	74	101	46	0	1	73 100 46	9/13/2021 7:46:13 PM
30	TSA	DUK	9/13/2021 8:15:00 PM	ALB	73	100	45	0	1	73 100 45	9/13/2021 8:30:23 PM
30	TSA	DUK	9/13/2021 9:15:00 PM	NWM	88	88	0	0	1	88 88	9/13/2021 7:16:21 PM
30	TSA	DUK	9/13/2021 9:15:00 PM	NWM	45	45	0	0	1	45 45	9/13/2021 8:16:15 PM
30	TSA	DUK	9/13/2021 9:15:00 PM	NWM	72	72	0	0	0	72 72	9/13/2021 8:46:17 PM
30	TSA	DUK	9/13/2021 9:15:00 PM	NWM	69	69	0	0	0	69 69	9/13/2021 9:10:16 PM
30	TSA	DUK	9/13/2021 10:45:00 PM	INS	46	84	8	0	0	46 84 8	9/13/2021 8:46:17 PM
30	TSA	DUK	9/13/2021 10:45:00 PM	INS	45	77	12	0	0	45 77 12	9/13/2021 9:46:14 PM
30	TSA	DUK	9/13/2021 10:45:00 PM	INS	47	81	14	0	0	47 81 14	9/13/2021 10:16:20 PM
30	TSA	DUK	9/13/2021 10:45:00 PM	INS	42	68	15	0	0	42 68 15	9/13/2021 10:52:22 PM

Route 30 (Duke Point to Tsawwassen) - September 14, 2021

ROUTE	DEPT	DEST	DEPARTURE	VESSEL	PCT	PCT_MIX	PCT_PV	CAR_WAITS	TRUCK_WAITS	PCTS_WEB	LAST_UPDATE_TS
30	DUK	TSA	9/14/2021 12:15:00 AM	NWM	27	54	1 0	0	0	27 54 1	9/14/2021 12:10:19 AM
30	DUK	TSA	9/14/2021 5:15:00 AM	INS	45	67	24 0	0	0	45 67 24	9/14/2021 3:16:13 AM
30	DUK	TSA	9/14/2021 5:15:00 AM	INS	48	70	26 0	0	0	48 70 26	9/14/2021 4:16:14 AM
30	DUK	TSA	9/14/2021 5:15:00 AM	INS	60	83	36 0	0	0	60 83 36	9/14/2021 4:46:14 AM
30	DUK	TSA	9/14/2021 5:15:00 AM	INS	62	78	45 0	0	0	62 78 45	9/14/2021 5:12:19 AM
30	DUK	TSA	9/14/2021 7:45:00 AM	ALB	63	79	47 0	0	0	63 79 47	9/14/2021 5:46:21 AM
30	DUK	TSA	9/14/2021 7:45:00 AM	ALB	73	87	58 0	0	0	73 87 58	9/14/2021 6:46:21 AM
30	DUK	TSA	9/14/2021 7:45:00 AM	ALB	81	87	75 0	0	0	81 87 75	9/14/2021 7:16:17 AM
30	DUK	TSA	9/14/2021 7:45:00 AM	ALB	80	81	80 0	0	0	80 81 80	9/14/2021 7:40:17 AM
30	DUK	TSA	9/14/2021 10:15:00 AM	INS	67	73	60 0	0	0	67 73 60	9/14/2021 8:16:21 AM
30	DUK	TSA	9/14/2021 10:15:00 AM	INS	78	81	75 0	0	0	78 81 75	9/14/2021 9:16:16 AM
30	DUK	TSA	9/14/2021 10:15:00 AM	INS	83	82	84 0	1	0	92 100 84	9/14/2021 9:46:17 AM
30	DUK	TSA	9/14/2021 10:15:00 AM	INS	92	92	91 0	1	0	95 100 91	9/14/2021 10:10:20 AM
30	DUK	TSA	9/14/2021 12:45:00 PM	ALB	76	89	63 0	0	0	76 89 63	9/14/2021 10:46:22 AM
30	DUK	TSA	9/14/2021 12:45:00 PM	ALB	89	100	78 0	1	0	89 100 78	9/14/2021 11:46:19 AM
30	DUK	TSA	9/14/2021 12:45:00 PM	ALB	96	100	92 0	1	0	96 100 92	9/14/2021 12:16:16 PM
30	DUK	TSA	9/14/2021 12:45:00 PM	ALB	98	100	97 0	1	0	98 100 97	9/14/2021 12:44:20 PM
30	DUK	TSA	9/14/2021 3:15:00 PM	INS	71	83	59 0	0	0	71 83 59	9/14/2021 1:16:13 PM
30	DUK	TSA	9/14/2021 3:15:00 PM	INS	83	99	68 0	0	0	83 99 68	9/14/2021 2:16:21 PM
30	DUK	TSA	9/14/2021 3:15:00 PM	INS	82	92	73 0	1	0	86 100 73	9/14/2021 2:46:20 PM
30	DUK	TSA	9/14/2021 3:15:00 PM	INS	86	96	77 0	1	0	88 100 77	9/14/2021 3:16:22 PM
30	DUK	TSA	9/14/2021 5:45:00 PM	ALB	71	94	47 0	0	0	71 94 47	9/14/2021 3:46:20 PM
30	DUK	TSA	9/14/2021 5:45:00 PM	ALB	81	100	61 0	1	0	81 100 61	9/14/2021 4:46:23 PM
30	DUK	TSA	9/14/2021 5:45:00 PM	ALB	84	100	68 0	1	0	84 100 68	9/14/2021 5:16:16 PM
30	DUK	TSA	9/14/2021 5:45:00 PM	ALB	87	100	75 0	1	0	87 100 75	9/14/2021 5:52:19 PM
30	DUK	TSA	9/14/2021 8:15:00 PM	INS	48	78	18 0	0	0	48 78 18	9/14/2021 6:16:14 PM
30	DUK	TSA	9/14/2021 8:15:00 PM	INS	58	91	26 0	0	0	58 91 26	9/14/2021 7:16:15 PM
30	DUK	TSA	9/14/2021 8:15:00 PM	INS	63	97	30 0	0	0	63 97 30	9/14/2021 7:46:13 PM
30	DUK	TSA	9/14/2021 8:15:00 PM	INS	58	86	31 0	0	0	58 86 31	9/14/2021 8:12:19 PM
30	DUK	TSA	9/14/2021 10:45:00 PM	ALB	35	63	5 0	0	0	35 63 5	9/14/2021 8:46:18 PM
30	DUK	TSA	9/14/2021 10:45:00 PM	ALB	38	67	7 0	0	0	38 67 7	9/14/2021 9:46:18 PM
30	DUK	TSA	9/14/2021 10:45:00 PM	ALB	36	62	9 0	0	0	36 62 9	9/14/2021 10:16:15 PM
30	DUK	TSA	9/14/2021 10:45:00 PM	ALB	33	52	12 0	0	0	33 52 12	9/14/2021 10:42:23 PM

Route 2 (Departure Bay to Horseshoe Bay) - September 14, 2021

ROUTE	DEPT	DEST	DEPARTURE	VESSEL	PCT	PCT_MIX	PCT_PV	CAR_V	TRUCK_WAITS	PCTS_WEB	LAST_UPDATE_TS
02	NAN	HSB	9/14/2021 1:15:00 PM	OAK	69	75	66	0	0	69 75 66	9/14/2021 11:16:18 AM
02	NAN	HSB	9/14/2021 1:15:00 PM	OAK	96	101	94	0	1	95 100 94	9/14/2021 12:16:15 PM
02	NAN	HSB	9/14/2021 1:15:00 PM	OAK	100	101	100	1	1	100 100 100	9/14/2021 12:46:14 PM
02	NAN	HSB	9/14/2021 1:15:00 PM	OAK	100	101	100	1	2	100 100 100	9/14/2021 1:16:23 PM