

state 2026 of the air



technical appendix



BC Lung State of the Air Report -- Technical Appendix (2025 Data)

Data Source:

B.C. Ministry of Environment and Parks, Metro Vancouver, Prince Rupert Port Authority, BC Hydro

Units:

All data presented in ppb except PM_{2.5}, which is presented in micrograms per cubic metre

Monitoring Sites:

- Monitoring is often conducted to address various objectives that may include measuring concentrations representative of community exposure, industrial impacts, background concentrations, etc.
- For the State of the Air Report monitoring sites immediately adjacent to industrial facilities were not included unless these sites were also near areas of high population density.

Data Completeness:

- Data completeness criteria have been relaxed relative to previous reports to enable reporting of data from more stations.
- In this report, a valid day has data for at least 18 hours (75%).
- A valid year has data for at least 60% of days in each quarter and 75% of of hours over an entire year, with the following exceptions.
- For peak (4th highest) 8-hour ozone levels, a valid 8-hour period has data for at least 6 hours, a valid day has data for at least 18 hours, and a valid year has at least 75% of days in the second and third quarters (April 1 to September 30).
- For peak (1-hour) SO₂ and NO₂ levels, a valid daily maximum includes those days where less than 18 hours are available in a day but the maximum concentration exceeds the objective level.
- Annual mean PM_{2.5} levels are based on the annual mean of daily PM_{2.5} concentrations.
- Where data completeness requirements are not met, only number of hours per year, maximum value and number of exceedances are shown.

Collocated Monitors:

Where more than one PM_{2.5} monitor is operating at a single site, data are shown for the monitor currently considered the primary reporting monitor and/or the monitor reporting a complete year of data.

Disclaimer:

While the information in these data summaries are believed to be accurate, the data summaries are provided as is without any warranty, and may be subject to change as changes to the underlying database occur.

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Summary of 2025 PM_{2.5} Data

Site	Year	No. Valid Hrs	Percentiles (1h)					Max 1h	No. Valid Days	24h Average			No. of Days		% of Valid Days Per Quarter				CAAQS Metrics for PM _{2.5} *	
			25th	50th	75th	98th	99th			Annual Avg	Annual 98th Percentile	Annual Max	>25 µg/m³	>27 µg/m³	Q1	Q2	Q3	Q4	Annual	24-Hour
Abbotsford-Airport	2025	8720	2.9	4.3	6.3	14.9	17.8	53.4	363	5.1	12.1	26.9	1	0	100	100	100	98	5.3	14
Abbotsford-Mill Lake	2025	8614	2.9	4.3	6.2	15.7	18.5	224.2	358	5.2	14.4	32.4	2	1	92	100	100	100	5.1	15
Agassiz	2025	8694	2.7	4.1	6.3	17.9	23.4	72.9	362	5.2	16.6	36.4	4	3	100	100	99	98	5.3	16
Burnaby-Kensington Park	2025	8692	2.6	3.6	4.9	14	16.4	167.9	362	4.3	13.7	44.8	2	1	98	100	100	99	4.4	14
Burnaby-South	2025	8734	3.1	4.2	5.8	12.9	15	95.2	364	4.8	11.6	29	1	1	100	100	99	100	4.6	14
Burns Lake	2025	8137	2.1	3.8	7.8	30.4	37	83.8	336	6.4	28.1	39.7	7	7	100	95	99	75	8.7	42
Campbell River	2025	8094	0.6	2.4	5	16.7	20.3	182	336	3.6	9.7	31.2	1	1	98	97	77	97	3.4	10
Castlegar	2025	8475	3.2	5.5	9.1	31.2	43.8	74.2	352	7.5	30.3	55.7	10	8	93	92	100	100	8.2	33
Chilliwack	2025	8610	2.9	4.2	6.2	16.3	19.5	78.3	362	5.2	15	32	2	2	100	100	97	100	4.9	17
Colwood	2025	8661	2.6	4.3	6.6	17.4	21.2	75.4	359	5.3	13.1	20.7	0	0	99	98	100	97	5.2	13
Courtenay	2025	8709	2.6	4.6	7.4	22.7	25.9	92	360	6	15.1	22.5	0	0	99	98	99	99	5.9	16
Cranbrook	2025	8644	2.7	4.9	9.3	30.2	37.6	97.1	360	7.4	20.7	55.4	7	5	100	99	100	96	8.2	30
Crofton-Elementary	2025	8111	1	3	6	14	16	38	334	4	10.7	14.6	0	0	89	80	100	97	4.1	12
Crofton-Substation	2025	8211	1	3	6	15	18	66	340	3.9	10.9	14.2	0	0	78	99	97	99	3.9	11
Duncan	2025	8498	3	4.8	7.9	20.6	24.5	73	349	6.2	16.3	22.5	0	0	99	98	98	88	6.8	18
Duncan-Deykin	2025	7005	1.9	4	7	16	18	48.6	292	4.9	11.4	14.9	0	0	89	77	62	92	4.4	13
Elkford	2025	8497	1.7	3.3	6.1	25.3	33.3	66.3	354	5.1	22.2	42.2	5	5	98	95	99	97	6.2	32
FortSt.John	2025	8734	2	3.6	6.7	35	63.5	296.8	364	6.8	37.6	133.7	11	9	100	100	99	100	11	66
Golden	2025	8708	3.1	5.7	10.2	34.4	43.1	94	360	8.3	26.1	39.8	9	6	99	98	99	99	10	41
Grand Forks	2025	8688	2.7	6.2	12.2	41	54.5	182.4	361	9.4	30.7	71.5	10	10	100	100	98	98	9.8	31
Hope	2025	8630	2.6	3.6	5.3	18.6	28.5	151.2	359	5	18.8	70.2	6	5	100	100	96	98	5.3	21
Horseshoe Bay	2025	8335	2.5	3.3	4.5	13.2	17.4	261.4	347	4.2	12.9	87.8	3	3	84	96	100	100	4.2	11
Houston	2025	8444	1.6	3.4	7.2	38.8	50.3	133.5	350	6.8	25.8	33.5	7	5	100	86	100	98	8.3	30
Kamloops	2025	7976	3	5.3	8.8	25.3	32.4	64.9	332	6.8	18.8	33.5	4	4	100	100	74	90	8.8	39
Kelowna	2025	8701	2.2	4.5	7.8	20.8	32.9	80.6	362	6	17.3	42.1	4	3	100	100	99	98	6.9	27
Kitimat-Haisla Village	2025	8539	3	5	6	15	18	56	356	5	10.4	21.1	0	0	99	100	100	91	3.7	10
Kitimat-Riverlodge	2025	8604	2	3	5	12	14	27	361	3.7	9	16.2	0	0	100	100	100	96	3.8	10
Kitimat-Whitesail	2025	8507	2	4	5	11	15	32	357	3.9	8.3	16.3	0	0	100	100	100	91	3.9	9
Langdale	2025	8748	3.4	4.4	5.8	16.9	25.2	121.5	365	5.4	15.5	49.8	4	4	100	100	100	100	5.3	14
Langley	2025	8701	2.9	4.2	6	15	18.4	69.2	364	5.1	12.2	27.2	1	1	100	100	100	99	4.9	15
Mission	2025	8726	2.9	4.1	6	16.5	22.3	59.7	364	5.1	13.9	32.5	3	2	100	100	100	99	5.5	16
N.Vancouver-2nd Narrows	2025	8724	2.9	4	5.9	15.8	20	181.5	364	5	13.8	41.5	2	2	100	99	100	100		18
N.Vancouver-Mahon Park	2025	8679	2.4	3.3	4.6	12.3	16.2	136	361	4	10.6	35.9	1	1	96	100	100	100	4.2	12
Nanaimo	2025	8435	2.1	3.5	5.8	15	17.6	67.7	349	4.5	12.5	19.2	0	0	100	86	97	100	4	11
New Westminster	2025	8610	2.9	4.7	7.5	16.9	20	131.3	357	5.9	13.1	37.3	1	1	100	98	98	96	5.9	13
North Delta	2025	8742	2.9	4	5.6	12.8	14.6	108.4	365	4.7	10.9	34.9	1	1	100	100	100	100	4.6	12
Penticton Debeck Road	2025	7974	2.4	4.3	6.9	24	39	98.4	331	5.8	23.5	45.7	5	5	80	100	83	100		
Pitt Meadows	2025	8682	2.7	3.8	5.4	12.6	15.6	93.9	362	4.5	12.3	31.3	1	1	98	99	100	100	4.4	13
Port Alberni-Elem.School	2025	7860	3	6	8	25	31	268	322	7	20.2	79	3	1	94	99	98	62	6.3	20
Port Edward-Sunset Drive	2025	8569	0.8	1.6	3.1	8.9	11.5	33.2	358	2.3	6.3	8.4	0	0	100	93	100	99	2.5	7
Port Moody	2025	8737	3	4	5.4	14	18.6	160.7	364	4.8	12.7	41	1	1	100	100	99	100	4.7	13
Prince George-Plaza 400	2025	7701	2.5	5.3	11.9	45.6	58.2	491.4	319	9.3	43.3	64.1	19	18	61	100	95	93	10.6	51
Prince Rupert-Fairview	2025	8503	0.5	1.2	2.5	8.5	10.4	32.1	352	1.9	5.7	10	0	0	100	90	96	100	2.1	7
Quesnel	2025	8713	3	5.8	11.4	39	46.2	117	363	8.9	33.5	66.3	14	14	100	99	99	100	8.7	48

Summary of 2025 PM_{2.5} Data (continued)

Site	Year	No. Valid Hrs	Percentiles (1h)					Max 1h	No. Valid Days	24h Average			No. of Days		% of Valid Days Per Quarter				CAAQS Metrics for PM _{2.5} *	
			25th	50th	75th	98th	99th			Annual Avg	Annual 98th Percentile	Annual Max	>25 µg/m ³	>27 µg/m ³	Q1	Q2	Q3	Q4	Annual	24-Hour
Richmond-Airport	2025	8736	3.1	4.2	5.7	13.3	15.6	62.3	363	4.8	11	21	0	0	100	100	98	100	4.7	12
Richmond-South	2025	8702	3.1	4.2	5.8	12.8	15.1	77.4	362	4.9	11.2	18.6	0	0	97	100	100	100	4.6	11
Smithers	2025	8557	2.1	4	7.7	25.7	31.3	57.2	353	6.1	19.6	37.6	3	2	100	100	97	90	7.3	23
Sparwood	2025	8433	2.4	4.8	7.8	27.6	39.8	106.5	348	6.5	29.5	51.1	10	8	99	99	98	86	7.4	45
Squamish	2025	8462	2.4	4.2	6.6	16.9	26.2	380.8	349	5.8	16	174.8	4	4	97	98	100	88	5.5	15
Surrey East	2025	8734	2.8	4	5.5	12.3	14.1	47.9	363	4.5	11.1	20.3	0	0	100	100	98	100	4.9	13
Terrace	2025	8611	2.1	3.4	5.9	20.2	24.4	69.8	359	5	14.2	19	0	0	100	100	93	100	5.1	15
Tsawwassen	2025	8752	2.8	3.6	4.8	10.4	12.2	26.4	365	4.1	9.6	12.7	0	0	100	100	100	100	3.9	10
Valemount	2025	8611	1	2.8	8.4	72.4	102.6	367.1	359	9.2	54	83.7	26	23	100	100	100	93	8.8	56
Vancouver-ClarkDr	2025	8745	3.6	4.8	6.7	15.7	18.2	215.1	365	5.7	14.5	47.9	1	1	100	100	100	100	5.7	15
Vanderhoof	2025	7731	3	6.2	12	38	49.6	98.6	324	8.9	31.3	50	11	11	81	93	83	98	11	50
Vernon	2025	8627	3.4	5.9	9.7	21.9	30.3	56.5	360	7.3	19.1	42	5	4	100	100	95	100	9	34
Victoria	2025	7982	3	4.6	6.9	16	19.8	55.9	328	5.5	12.3	15.4	0	0	98	97	97	68	5.7	13
Whistler	2025	7982	1.7	3.4	6.1	22.4	35.4	220.5	328	5.2	19.9	62.9	4	4	98	79	99	84	4.9	17
Williams Lake	2025	7185	1.4	3.7	7.4	42.2	57.9	124.4	285		43.1	74.4	10	9	100	55	83	75		32
*CAAQS metrics for PM _{2.5} are an annual metric based on the average of daily values and a 24-hour metric based on the 98th percentile of the daily concentrations, averaged over three consecutive years. Data are normally adjusted for transboundary flow and exceptional events (e.g., wildfires) for air zone management purposes under the national Air Quality Management System. Data in this table were NOT adjusted for transboundary flow and exceptional events. For details, visit: https://gov.bc.ca/airquality .																				

Summary of 2025 O₃ Data

Site	Year	No. Valid Days	Annual Avg.	Percentiles (1h)					1h Max	Daily 8h Max		No. Days >62 ppb	% of Valid Days Per Quarter					CAAQS 8-Hr Metric*
				25th	50th	75th	98th	99th		Annual Max	Annual 4th Highest		Q1	Q2	Q3	Q4	Q2+Q3	
Abbotsford-Airport	2025	363	21.3	10	21	32	45	49	65	54.5	51.7	0	100	100	99	99	99	54
Abbotsford-Mill Lake	2025	365	20.2	10	20	30	44	47	65	53.1	49.4	0	100	100	100	100	100	54
Agassiz	2025	356	20.9	10	21	30	47	52	82	67.3	59.6	2	98	96	97	100	96	61
Burnaby-Kensington Park	2025	362	17.2	7	16	26	41	43	58	47.3	43.6	0	98	100	100	99	100	46
Burnaby-Mtn	2025	365	24.9	19	25	31	43	45	71	51.4	49.5	0	100	100	100	100	100	50
Burnaby-South	2025	364	19	10	19	28	41	43	51	48.1	45	0	100	100	99	100	99	47
Castlegar	2025	365	18.2	8	16	26	46	49	59	55.9	51.3	0	100	100	100	100	100	53
Chilliwack	2025	354	18.8	8	18	28	45	49	75	60.4	53.8	0	100	100	88	100	94	58
Colwood	2025	356	22.8	13	23	33	46	47	56	51.2	48.6	0	100	100	98	92	99	50
Coquitlam	2025	363	16.9	6	15	26	42	46	76	48.3	45.5	0	98	100	100	100	100	51
Courtenay	2025	364	19.6	9	20	29	42	44	65	58	45.9	0	99	100	100	100	100	49
Cranbrook	2025	365	26.1	17	26	36	50	52	61	56.8	54.6	0	100	100	100	100	100	57
Duncan	2025	362	19.3	8	18	30	45	47	56	51.6	49.6	0	100	98	99	100	98	52
Hope	2025	363	16.9	7	16	26	41	45	68	57.4	51.5	0	100	100	100	98	100	52
Kamloops	2025	363	21.9	11	22	32	47	49	57	52.3	50.8	0	100	100	100	98	100	53
Kelowna	2025	358	19.6	12	19	27	39	41	56	46.3	44.2	0	100	97	99	97	98	44
Kitimat-Haisla Village	2025	363	20.6	12	20	30	41	42	48	44.3	43.7	0	100	100	100	98	100	
Kitimat-Riverlodge	2025	362	19.8	9	19	31	40	42	49	45.5	44.3	0	99	99	100	99	99	
Kitimat-Whitesail	2025	360	16.1	10	17	22	30	31	38	35.5	32.5	0	100	98	98	99	98	39
Langley	2025	364	21.3	10	22	32	46	49	69	55.1	51.2	0	100	100	100	99	100	54
Maple Ridge	2025	364	18.9	8	18	29	44	47	79	56.7	48.9	0	99	100	100	100	100	57
Mission	2025	363	21.8	12	22	31	47	50	86	64.6	58.4	2	100	100	100	98	100	61
N.Vancouver-2nd Narrows	2025	362	14.9	6	14	22	37	40	50	42.1	39.9	0	98	99	100	100	99	38
N.Vancouver-Mahon Park	2025	360	18	8	18	27	40	42	49	44.6	42.8	0	94	100	100	100	100	47
Nanaimo	2025	365	24.1	17	25	31	43	44	57	46.8	45.8	0	100	100	100	100	100	47
New Westminster	2025	361	14.2	3	12	23	39	41	54	44.3	41.2	0	99	97	100	100	98	45
North Delta	2025	364	16.9	8	17	25	37	39	45	41.1	39.4	0	100	100	100	99	100	44
Penticton Debeck Road	2025	364	29.2	21	29	37	51	53	63	56.4	54.9	0	100	99	100	100	99	
Pitt Meadows	2025	356	17.3	5	17	27	42	45	77	49.6	45.6	0	98	99	100	93	99	51
Port Moody	2025	365	14.5	3	13	24	40	43	72	47.8	43.3	0	100	100	100	100	100	46
Prince George-Plaza 400	2025	355	19.8	8	20	30	44	47	68	54.6	51.3	0	97	100	98	95	99	53
Prince Rupert-Fairview	2025	361	23.5	13	24	34	43	44	50	46.4	44.7	0	100	99	98	99	98	45
Quesnel	2025	364	18	7	17	27	46	48	60	55.6	49.1	0	100	100	99	100	99	54
Richmond-Airport	2025	363	18.5	8	19	28	42	44	54	47.3	44.4	0	100	100	98	100	99	45
Richmond-South	2025	360	18.2	6	18	29	42	44	53	48.5	44.9	0	98	100	100	97	100	46
Smithers	2025	364	14.3	4	14	23	35	37	43	42.1	38.5	0	100	100	99	100	99	37
Sparwood	2025	349	25.1	14	26	36	50	52	69	59.5	56.2	0	97	97	95	95	96	59
Squamish	2025	352	17.3	7	16	26	40	42	60	48.3	44.3	0	91	98	97	100	97	47
Surrey East	2025	365	19.3	11	19	28	40	42	56	46.4	43.3	0	100	100	100	100	100	49
Taylor-Townsite	2025	361	23.6	14	24	33	46	48	61	52.9	51.1	0	100	100	100	96	100	54
Terrace	2025	353	20.3	10	20	31	41	43	48	47	44.6	0	100	100	100	87	100	47
Tsawwassen	2025	365	24	16	24	33	45	47	57	49.8	48.1	0	100	100	100	100	100	46

Summary of 2025 O₃ Data (continued)

Site	Year	No. Valid Days	Annual Avg.	Percentiles (1h)					1h Max	Daily 8h Max		No. Days >62 ppb	% of Valid Days Per Quarter					CAAQS 8-Hr Metric*
				25th	50th	75th	98th	99th		Annual Max	Annual 4th Highest		Q1	Q2	Q3	Q4	Q2+Q3	
Vancouver-ClarkDr	2025	358	13.7	2	12	22	40	42	52	47.6	42.9	0	100	92	100	100	96	43
Vancouver-Downtown	2025	361	13.9	3	12	23	39	41	49	45.5	42.1	0	100	96	100	100	98	43
Vernon	2025	365	20.6	9	19	32	46	48	56	51	49.9	0	100	100	100	100	100	50
Victoria	2025	364	21.5	12	22	31	44	45	52	49.7	46	0	99	100	100	100	100	48
Whistler	2025	361	21.3	11	21	31	47	49	59	54.4	51.2	0	99	99	99	99	99	53
Williams Lake	2025	365	22.4	12	22	32	47	49	59	53.8	51	0	100	100	100	100	100	53
*CAAQS metric for O ₃ is an 8-hour metric based on the annual 4th highest of the daily maximum 8-hour averaged concentration averaged over three years. Data are normally adjusted for transboundary flow and exceptional events (e.g., wildfires) for air																		

Summary of 2024 SO₂

Site	Year	No. Valid Hrs	No. Valid Days	Annual Avg	Percentiles (1h)					Max	Annual 99th Percentile of D1HM	No. of Days		% of Valid Days Per Quarter				CAAQS SO ₂ Metrics*	
					25th	50th	75th	98th	99th			>65 ppb	>70 ppb	Q1	Q2	Q3	Q4	Annual	1-Hour
Abbotsford-Airport	2025	8665	361	0.1	0.1	0.1	0.2	0.4	0.4	1.2	0.9	0	0	100	97	100	99	0.1	1
Abbotsford-Mill Lake	2025	8716	364	0.1	0.1	0.1	0.2	0.4	0.5	0.9	0.8	0	0	99	100	100	100	0.1	1
Burnaby-Capitol Hill	2025	8730	364	0.4	0.1	0.2	0.4	2.8	5.2	23.8	20.7	0	0	100	100	99	100	0.4	30
Burnaby-Kensington Park	2025	8710	364	0.2	0.1	0.1	0.3	1.1	1.4	9.4	6.3	0	0	100	100	100	99	0.2	6
Burnaby-North	2025	8729	365	0.5	0.2	0.3	0.6	2.3	3.2	24	11.2	0	0	100	100	100	100	0.5	10
Burnaby-South	2025	8738	364	0.2	0	0.1	0.2	1	1.2	12.7	4.1	0	0	100	100	99	100	0.2	3
Castlegar	2025	8389	365	0.8	0.1	0.2	0.5	6.7	9.6	25.5	18.2	0	0	100	100	100	100	0.8	20
Chilliwack	2025	8571	360	0.4	0.3	0.4	0.4	0.7	0.8	1.1	0.9	0	0	100	100	97	98	0.4	1
Crofton-Elementary	2025	8150	352	0.8	0.3	0.4	0.7	4.7	6.9	26.8	18.7	0	0	96	92	100	98	0.8	20
FortSt.John	2025	8238	356	0.2	0.1	0.2	0.3	0.8	1	4.1	2.1	0	0	99	92	99	100	0.2	3
Kamloops	2025	8344	363	0.4	0.2	0.3	0.4	1.2	1.7	9.6	5	0	0	100	100	100	98	0.4	6
Kelowna	2025	8127	350	0.3	0.2	0.3	0.3	0.5	0.6	1.7	0.9	0	0	97	97	92	98	0.3	1
Kitimat-Haisla Village	2025	8291	361	0.3	0.1	0.1	0.2	2.1	3.4	25.9	13.2	0	0	98	100	100	98	0.3	19
Kitimat-Riverlodge	2025	8226	357	0.6	0.2	0.3	0.4	4.5	7.3	54.8	30.3	0	0	99	100	93	99	0.6	27
Kitimat-Whitesail	2025	8298	360	0.6	0.3	0.4	0.5	3.2	4.7	34.7	22.3	0	0	100	98	99	98	0.6	20
Langdale	2025	8377	365	0.9	0.3	0.5	0.8	4.9	6.9	56.6	20	0	0	100	100	100	100	0.9	18
Langley	2025	8689	364	0.1	0.1	0.1	0.2	0.5	0.6	1.5	1.1	0	0	100	100	100	99	0.1	1
N.Vancouver-2nd Narrows	2025	8643	360	0.3	0.1	0.2	0.4	1.2	1.5	14	3.5	0	0	98	99	98	100	0.3	4
N.Vancouver-Mahon Park	2025	8680	361	0.2	0.1	0.2	0.3	1	1.2	5.7	3	0	0	96	100	100	100	0.2	4
Pitt Meadows	2025	8658	360	0.1	0	0.1	0.2	0.6	0.8	13.8	1.9	0	0	98	99	100	98	0.1	2
Port Moody	2025	8725	365	0.3	0.1	0.1	0.2	2	2.4	30.5	4.7	0	0	100	100	100	100	0.3	5
Prince George-Plaza 400	2025	8063	347	1.2	0.3	0.5	1	8.5	12.9	49.7	31.5	0	0	87	100	100	93	1.2	29
Prince Rupert-Fairview	2025	8514	353	0.2	0.1	0.2	0.4	0.6	0.6	1	0.8	0	0	93	98	97	99	0.2	1
Quesnel	2025	7634	331	0.5	0.2	0.4	0.6	1.7	2.7	17.2	11.1	0	0	100	100	63	100	0.5	11

Summary of 2025 NO₂

Site	Year	No. Valid Hrs	No. Valid Days	Annual Avg	Percentiles (1h)					Max 1h	Annual 98th Percentile of Daily 1-Hour Maximum	No. Days		% of Valid Days Per Quarter				CAAQS NO ₂ Metrics*	
					25th	50th	75th	98th	99th			>42 ppb	>60 ppb	Q1	Q2	Q3	Q4	Annual	1-Hour
Abbotsford-Airport	2025	8689	364	6.2	2.3	4.6	9	18.7	21.1	40.1	27.4	0	0	100	100	100	99	6.2	27
Abbotsford-Mill Lake	2025	8742	365	7.5	3.5	6	10	22.4	25.6	36.9	33	0	0	100	100	100	100	7.5	31
Agassiz	2025	8655	360	5.4	1.9	3.9	7.9	16.6	18	26.4	23.2	0	0	100	98	97	100	5.4	26
Burnaby-Kensington Park	2025	8621	357	10.1	5.7	8.9	13.6	24.8	27.5	37.3	33.3	0	0	94	100	98	99	10.1	33
Burnaby-Mtn	2025	8746	365	6	2.7	4.8	7.8	20.6	24.4	38.6	32.5	0	0	100	100	100	100	6	29
Burnaby-South	2025	8727	364	10.5	5.3	8.8	14.1	28.9	32.4	42.3	38.9	1	0	100	100	99	100	10.5	37
Castlegar	2025	8377	364	5.4	2.3	4.3	7.3	17.3	19.3	29.4	24.3	0	0	100	100	99	100	5.4	23
Chilliwack	2025	8586	362	6.7	3.1	5.6	9.2	19.1	20.9	32.4	26.2	0	0	100	100	97	100	6.7	28
Colwood	2025	8165	355	3.8	1.1	2.8	5.4	13.8	15.7	25.8	20.1	0	0	100	93	100	96	3.8	20
Coquitlam	2025	8734	365	8.8	4.6	7.5	11.6	24.6	27.1	42.2	31.7	1	0	100	100	100	100	8.8	30
Courtenay	2025	8348	364	3.1	1.2	2.3	4.1	11.3	13.2	21.4	18.6	0	0	100	99	100	100	3.1	20
Cranbrook	2025	8322	360	4.1	1.2	2.3	5.5	18.3	21.6	36	28.6	0	0	100	100	96	99	4.1	28
Duncan	2025	8357	365	4	1.7	3.1	5.4	13	14.9	27.6	22.4	0	0	100	100	100	100	4	20
FortSt.John	2025	8364	362	5.9	1.7	3.3	7	29.9	35.5	59.5	44.1	14	0	99	100	98	100	5.9	44
Hope	2025	8689	363	6.1	3.4	5	7.9	16.1	18.1	28.5	23.2	0	0	100	100	100	98	6.1	24
Horseshoe Bay	2025	8739	365	9.2	3.8	7.9	13.2	25.8	29.1	48.1	37.7	3	0	100	100	100	100	9.2	41
Kamloops	2025	8334	362	9.1	3.8	7.1	13	27.1	29.3	38.1	34.9	0	0	100	100	100	97	9.1	36
Kelowna	2025	8196	354	4.7	1.8	3.4	6.3	15.9	18.1	29.4	22.6	0	0	100	96	95	98	4.7	24
Kitimat-Haisla Village	2025	8255	360	0.5	0.2	0.3	0.5	2.1	3	25.3	10.4	0	0	97	100	100	98	0.5	
Kitimat-Riverlodge	2025	8300	363	1.3	0.4	0.7	1.5	6.1	8.1	25.4	11.4	0	0	99	100	100	99	1.3	
Kitimat-Whitesail	2025	8304	361	1	0.3	0.6	1.1	4.8	5.9	14.7	10	0	0	100	98	99	99	1	11
Langdale	2025	8379	365	3.8	1.8	3.1	4.8	12.2	14.6	30.3	22	0	0	100	100	100	100	3.8	21
Langley	2025	8673	362	5.8	2.5	4.4	7.8	18	21.5	38.4	27.6	0	0	100	100	98	99	5.8	24
Maple Ridge	2025	8661	360	6.6	3	5.1	8.7	20.8	24.4	37.8	31.2	0	0	100	97	100	98	6.6	28
Mission	2025	8708	364	5.8	2.6	4.2	7.8	18.7	21.7	37.6	26.7	0	0	100	100	100	99	5.8	26
N.Vancouver-2nd Narrows	2025	8678	362	11	6.3	9.5	14	29.2	32.5	52.4	42.5	8	0	98	99	100	100	11	48
N.Vancouver-Mahon Park	2025	8671	361	9.9	4.8	8.2	13.6	27.9	30	41.1	35.6	0	0	96	100	100	100	9.9	36
Nanaimo	2025	8321	362	4.7	1.7	3.7	6.5	15.5	17.2	27.8	22.6	0	0	98	99	100	100	4.7	23
New Westminster	2025	8677	361	13.8	7.7	12.9	18.5	31.8	34.7	44.8	39	2	0	100	96	100	100	13.8	39
North Delta	2025	8685	363	10	4.8	8.1	13.6	28	31.3	43.8	37.4	1	0	98	100	100	100	10	37
Penticton Debeck Road	2025	8393	364	2.5	1.1	1.8	3	9.1	11.1	24.9	16.6	0	0	100	100	100	99	2.5	
Pitt Meadows	2025	8674	362	7.3	3	6.1	10.2	22.2	25	34.9	31.8	0	0	98	99	100	100	7.3	31
Port Edward-Sunset Drive	2025	7335	305	1.4	0.3	0.8	2	6.3	7.3	14	12.2	0	0	63	81	90	99	1.4	15
Port Moody	2025	8728	365	10.7	6.2	9.7	14	25	27.8	41.8	36	0	0	100	100	100	100	10.7	34
Prince George-Plaza 400	2025	8192	352	8.3	2.5	5.8	11.5	30.8	34.7	46.3	40.2	3	0	93	100	100	92	8.3	44
Prince Rupert-Fairview	2025	8573	357	3.3	1.3	2.3	4.4	12	13.4	35	19.4	0	0	98	99	97	98	3.3	19
Quesnel	2025	8387	365	3.5	1.2	2.4	4.7	14.3	17	29.1	23.1	0	0	100	100	100	100	3.5	21
Richmond-Airport	2025	8729	363	11.4	4.8	9.3	16.6	31.2	34.2	42.6	38.9	2	0	100	100	98	100	11.4	40
Richmond-South	2025	8739	365	9.4	3	7.1	14.7	28.6	32	51.3	36.7	2	0	100	100	100	100	9.4	35
Smithers	2025	8363	363	5.7	1.9	3.9	7.5	22.4	25.6	40	29.8	0	0	100	100	98	100	5.7	28
Sparwood	2025	8110	348	5.5	1.7	3.6	7.6	20.2	23	38.2	29	0	0	99	92	96	95	5.5	29
Squamish	2025	8204	352	5.2	2.7	4.3	6.7	15.3	17.6	27.3	22.1	0	0	93	95	99	99	5.2	20
Surrey East	2025	8124	339	7.6	3.1	5.8	10.5	23.8	26.6	40.9	31.1	0	0	89	82	100	100	7.6	30
Taylor-Townsite	2025	8295	359	4.9	1.1	3	6.7	21.8	25.3	41.3	32.8	0	0	99	100	97	98	4.9	35
Terrace	2025	8394	365	2.3	0.7	1.3	2.7	10.7	12.9	26.9	20.1	0	0	100	100	100	100	2.3	19
Tsawwassen	2025	8745	365	5.3	1.6	3.5	7.1	20.5	23	42.2	28.7	1	0	100	100	100	100	5.3	29
Vancouver-ClarkDr	2025	8575	357	14.5	8.4	13.7	19.6	34.4	38.8	54.4	44.1	12	0	99	92	100	100	14.5	44
Vancouver-Downtown	2025	8735	365	15.2	8.6	14.8	20.8	32	34.2	41.7	38.1	0	0	100	100	100	100	15.2	38

Summary of 2025 NO₂ (continued)

Site	Year	No. Valid Hrs	No. Valid Days	Annual Avg	Percentiles (1h)					Max 1h	Annual 98th Percentile of Daily 1-Hour Maximum	No. Days		% of Valid Days Per Quarter				CAAQS NO ₂ Metrics*	
					25th	50th	75th	98th	99th			>42 ppb	>60 ppb	Q1	Q2	Q3	Q4	Annual	1-Hour
Vernon	2025	8382	363	7.7	3.3	6	10.7	23.2	25.4	36.5	31.3	0	0	99	99	100	100	7.7	33
Victoria	2025	8293	361	7.3	2.9	5.3	10	24.8	27.6	43.6	35.7	1	0	96	100	100	100	7.3	36
Whistler	2025	8345	361	3.2	1.3	2.3	4	12.2	14.1	22.7	18.1	0	0	99	99	99	99	3.2	16
Williams Lake	2025	8391	365	5.3	1.2	3.2	7.4	22.1	25.6	37.6	32.1	0	0	100	100	100	100	5.3	28

*CAAQS metrics for NO₂ are an annual metric based on the average of all 1-hour concentrations over the year, and a 1-hour metric based on the 98th percentile of the daily maximum 1-hour concentration averaged over three years.