

Langelier Index Summary for Public Water Supplies in Newfoundland and Labrador

Community Name	Serviced Area	Source Name	Sample Date	Langelier Index
Admirals Beach	Admiral's Beach	2 Well Fields	Jun 04, 2025	-0.32
Appleton	Appleton (+Glenwood)	Gander Lake (The Outflow)	Jun 10, 2025	-5.64
Badger	Badger	Well Field, 2 wells on standby	May 20, 2025	-1.54
Baine Harbour	Baine Harbour	Dug	Jun 17, 2025	-3.07
Barachois Brook	Barachois Brook	Drilled	Jun 13, 2025	-0.89
Bartletts Harbour	Bartletts Harbour	Long Pond (same as Castors River North)	Jun 18, 2025	-0.47
Bauline	Bauline	#1 Brook Path Well	Jun 02, 2025	-1.18
Bay Roberts	Bay Roberts	Rocky Pond	May 21, 2025	-4.69
Bay St. George South	Heatherton	#1 Well Heatherton (Home Hardware)	Jun 19, 2025	0.56
Bay St. George South	Highlands	#3 Brian Pumphrey Well Highlands	Jun 06, 2025	-0.44
Bay St. George South	Jeffrey's	#2 Well Jeffery's (Calvin Madore)	Jun 06, 2025	-0.13
Bay St. George South	Jeffrey's	#1 Well Jeffery's (Joe Curnew)	Jun 06, 2025	-0.25
Bay St. George South	Jeffrey's	#3 Well Jeffery's (Sid Shears)	Jun 06, 2025	-0.26
Bay St. George South	Jeffrey's	#4 Well Jeffery's - Jack Harris	Jun 06, 2025	-0.03
Bay St. George South	Lock Leven	#6 Well Loch Leven (Jerry Quilty)	Jun 06, 2025	0.24
Bay St. George South	McKay's	#2B Lions Club Well	Jun 06, 2025	0.12
Bay St. George South	McKay's	#7 Well McKay's (Gordon Hulan)	Jun 06, 2025	0.12
Bay St. George South	McKay's	#3 Woodworth Well McKay's	Jun 06, 2025	-0.37
Bay St. George South	Robinson's	#3 Well Robinson's (Gales)	Jun 06, 2025	-0.03
Bay St. George South	Robinson's	#1 Well Robinson's (Louie MacDonald)	Jun 06, 2025	0.28
Bay St. George South	St. Fintan's	#2 Well St. Fintan's (Louis King)	Jun 06, 2025	0.20
Bay St. George South	St. Fintan's, St. David's	#1 Well St. Fintan's (The Y)	Jun 06, 2025	-0.01
Bear Cove	Bear Cove	Lower Bear Cove	Jun 17, 2025	-0.35
Benoit's Siding	Benoit's Siding (aka Bennett's Siding)	Drilled	Jun 09, 2025	0.00
Benoit's Siding	Doyles	# 2 Well Doyles	Jun 09, 2025	-0.06
Birchy Bay	Birchy Bay	Jumper's Pond	May 26, 2025	-2.57
Bishop's Falls	Bishop's Falls	Northern Arm Lake	May 20, 2025	-3.14
Black Duck	Black Duck (Siding)	#2 Well	Jun 27, 2025	-0.41
Black Duck Cove	Black Duck Cove	Long Pond - Black Duck Cove Intake	Jun 17, 2025	-0.91
Blaketown	Blaketown	#2 Daphne Pincent Well	Jun 12, 2025	-0.72
Blaketown	Blaketown Centre	#3 Fred Osborne Well	May 29, 2025	-0.16
Blaketown	Blaketown North	#4 Hilda Barrett Well	May 29, 2025	-0.39
Blaketown	Blaketown South	#1 Selby Mercer Well	May 29, 2025	-1.67
Branch	Branch	Drilled Wells	Jun 30, 2025	-0.25

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Brent's Cove	Brent's Cove	Paddy's Pond	Jun 03, 2025	-5.08
Brigus South	Forge Hill area	#1 Well Forge Hill	Jun 10, 2025	-0.17
Brigus South	Near highway	#3 Well Main Road	Jun 10, 2025	-2.81
Bryant's Cove	Bryant's Cove South Side	#1 Well - Bert James Well #2 Well - Baxter Bowering Well	Jun 10, 2025	-0.62
Bunyan's Cove	Bunyan's Cove	#1 Wellfield	May 28, 2025	-2.16
Canning's Cove	Centre Canning's Cove	#3 Well - Glenda Penney	Jun 16, 2025	-1.39
Canning's Cove	Lower Canning's Cove	#1 Well - Pleman Pitts	Jun 16, 2025	-0.91
Canning's Cove	Upper Canning's Cove	#2 Well - Eugene Ellis	Jun 16, 2025	-0.48
Castor River North	Castor River North	Long Pond (same as Bartletts Harbour)	Jun 18, 2025	-0.45
Castor River South	Castor River South	Unnamed	Jun 18, 2025	-0.01
Cavendish	North Side Cavendish	#1 Well - Max Bishop	Jun 25, 2025	-0.44
Cavendish	North Side Cavendish	#2 Well - Tom Critch	Jun 25, 2025	-0.55
Chance Cove	Back Cove Area	Olive Smith Well	May 28, 2025	-1.11
Chance Cove	Lower Cove	#5B Albert Rowe Well	May 28, 2025	-0.29
Chance Cove	New Housing Area	New Housing Area Well	Jun 20, 2025	-0.29
Chance Cove	New Housing Area	New Housing Area Well	May 29, 2025	-0.34
Chance Cove	Upper Cove	Hollett's Well	May 28, 2025	-2.35
Change Islands	Change Islands - PWDU	#1 Fox Cove Well	Jun 04, 2025	-3.86
Channel-Port aux Basques	Channel-Port Aux Basques	Gull Pond & Wilcox Pond	May 16, 2025	-3.92
Channel-Port aux Basques	Channel-Port Aux Basques	Gull Pond & Wilcox Pond	Jun 19, 2025	-2.82
Channel-Port aux Basques	Channel-Port Aux Basques	Gull Pond & Wilcox Pond	Jun 19, 2025	-2.84
Channel-Port aux Basques	Channel-Port Aux Basques	Gull Pond & Wilcox Pond	Jun 19, 2025	-2.78
Clareville	Clareville, Shoal Harbour	Shoal Harbour River	May 27, 2025	-2.30
Clarke's Beach	Otterbury	#2 Well - Delaney Well	Jun 10, 2025	-0.37
Colliers	Harbour Drive	#4 Well - Flynn's Well	Jun 18, 2025	-0.47
Colliers	Harbour Drive & Main Road	#3 Well - Griffin's Well	Jun 18, 2025	-0.46
Colliers	Merrigan's Lane + Main Rd	#2 Well - Merrigan's Well	Jun 19, 2025	-0.20
Conception Bay South	Conception Bay South	Bay Bulls Big Pond	May 21, 2025	-1.95
Conception Bay South	Conception Bay South	Bay Bulls Big Pond	Jun 26, 2025	-1.83
Conception Harbour	Cemetery Road & Main Road	Cemetery Road Well	Jun 12, 2025	-0.57
Conception Harbour	Healey's Pond Rd, Old Rd & Main Rd	Healey's Pond Road Well	Jun 18, 2025	-0.93
Conception Harbour	Lower Bacon Cove	Lower Bacon Cove Well	Jun 12, 2025	-0.09
Conception Harbour	Old Road and Coles Crescent	Old Road Well	Jun 18, 2025	-0.35
Conception Harbour	Upper Bacon Cove, Kitchuses	Upper Bacon Cove Well	Jun 12, 2025	0.04
Corner Brook	Corner Brook (+Massey Drive, +Mount Moriah)	Trout Pond, Third Pond (2 intakes)	Jun 02, 2025	-1.78
Cox's Cove	Upper Area	Upper Area Wellfield	Jun 02, 2025	-0.09

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Eastport	Eastport (+Sandy Cove)	Dug	May 26, 2025	-2.59
Eddies Cove West	Eddies Cove West	Unnamed	Jun 18, 2025	-0.09
Fermeuse	Fermeuse	Port Kirwan Road Well	Jun 06, 2025	-0.29
Flat Bay	Flat Bay (East)	#1 Well	Jun 13, 2025	-0.68
Flat Bay	Flat Bay (East)	#3 Well	Jun 13, 2025	-0.88
Flat Bay West	Flat Bay West	#3 Well	Jun 13, 2025	-0.67
Fleur de Lys	Fleur De Lys	First Pond, Narrow Pond	Jun 03, 2025	-3.97
Fox Roost-Margaree	Fox Roost-Margaree	Drilled Well and Margaree Pond	May 16, 2025	-6.87
Fox Roost-Margaree	Fox Roost-Margaree - PWDU	Drilled Well and Margaree Pond	May 16, 2025	-6.75
Frenchman's Cove	Frenchman's Cove	Dug Well	Jun 18, 2025	-4.03
Freshwater	Freshwater (Carbonear)	#3 Well - Wallace Snow Well	Jun 11, 2025	-0.34
Freshwater	Freshwater (Carbonear)	#2 Well - Covage's Lane Well	Jun 11, 2025	-1.19
Gander	Gander	Gander Lake	Jun 10, 2025	-2.80
Georgetown	Georgetown	Drilled	Jun 19, 2025	-0.90
Grand Falls-Windsor	Grand Falls-Windsor (+Bishop's Falls, +Wooddale, +Botwood, +Peterview)	Northern Arm Lake	May 20, 2025	-2.96
Grates Cove	Grates Cove Centre	#1C Well	May 27, 2025	-0.33
Grates Cove	Grates Cove North End	#3 Frank Janes Well	May 27, 2025	-0.46
Grates Cove	Grates Cove South End	#4 Stoyles Hill Well	May 27, 2025	-0.53
Great Codroy	Great Codroy East	#1 Well	Jun 09, 2025	-0.11
Great Codroy	Great Codroy West	#2 Well	Jun 09, 2025	0.48
Happy Valley-Goose Bay	Happy Valley-Goose Bay	Well Field (connect summer 2002)	May 22, 2025	-1.97
Happy Valley-Goose Bay	Happy Valley-Goose Bay	Spring Gulch	May 22, 2025	-2.95
Harbour Grace	Harbour Grace South Lower	New Southside Well (Well#3)	Jun 10, 2025	-0.52
Harbour Grace	Harbour Grace South Upper	Southside Wellfield (Well #1 & #2)	Jun 10, 2025	-0.25
Harbour Grace	Riverhead	Mercer's Rd. Well	Jun 10, 2025	-0.61
Harbour Grace	Thickett	#1 Thickett Susie Galway Well	Jun 10, 2025	-1.44
Harbour Main-Chapel's Cove-Lakeview	Harbour Main, Chapel's Cove, Lakeview	Holden's Road Well	Jun 18, 2025	-0.94
Harbour Main-Chapel's Cove-Lakeview	Harbour Main, Chapel's Cove, Lakeview	Flynn's Hill Well	Jun 12, 2025	-0.42
Harbour Mille-Little Harbour East	Harbour Mille, Little Harbour East (Fortune Bay)	Well	Jun 20, 2025	-0.43
Harry's Harbour	Harry's Harbour	#1C Well - Northeast Well	May 22, 2025	-0.71
Harry's Harbour	Harry's Harbour	#3 Well - South Well	May 22, 2025	-0.22
Harry's Harbour	Harry's Harbour	#2 Well - Northwest Hill / Country Road	May 22, 2025	-0.22
Heart's Content	Heart's Content	Southern Cove Pond	Jun 12, 2025	-4.90

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Holyrood	Holyrood	O'Connell's Well	Jun 11, 2025	0.12
Holyrood	Holyrood	Main Line	Jun 11, 2025	0.02
Holyrood	Holyrood	Woodford Station - Healey's Well and Quinlan's Well	Jun 11, 2025	0.18
Hopeall	Gilberts Hill	Gilberts Hill Well	Jun 25, 2025	-0.98
Hopeall	Hopeall	Charles Cumby Well	Jun 25, 2025	-0.79
Humber Arm South	Frenchman's Cove Area	Gurges Pond	Jun 02, 2025	-2.44
Jackson's Cove-Langdon's Cove-Silverdale	Langdon's Cove	#3 Well Langdon's Cove Well	May 22, 2025	-0.30
Jean de Baie	Jean de Baie	#1 Well	Jun 17, 2025	-1.26
Kippens	Kippens	Well Field	Jun 27, 2025	0.10
Labrador City	Labrador City	Beverly Lake	Jun 05, 2025	-1.33
Lance Cove	Lance Cove	Local Service District Well	Jun 24, 2025	-0.27
Lewisporte	Lewisporte	Stanhope Pond	May 26, 2025	-4.01
Mainland	Mainland	Caribou Brook	Jun 24, 2025	0.20
Makinsons	Hodgewater Line East & Juniper Stump	Taylor's Wells	Jun 20, 2025	-0.20
Makinsons	Turkswater & Hodgewater Line West	Country Path Wells	Jun 20, 2025	-0.45
Marystown	Marystown	Fox Hill Reservoir / Clam Pond	Jun 20, 2025	-3.09
Mattis Point	Mattis Point	Drilled	Jun 13, 2025	-0.67
Ming's Bight	Ming's Bight	Middle Brook Pond	Jun 03, 2025	-2.56
Mount Pearl	Mount Pearl	Bay Bulls Big Pond	Jun 26, 2025	-1.92
New Harbour	New Harbour	Williams Hill Well	Jun 12, 2025	-0.23
Norris Arm	Norris Arm (south)	Mill Lake	May 26, 2025	-4.49
North West River	North West River	Wellfield (Well # 1 & Well # 2)	May 22, 2025	-0.75
O'Donnells	O'Donnell's	Well Field	Jun 04, 2025	-0.41
O'Regans East	O'Regan's East	Drilled	Jun 09, 2025	-0.54
Paradise	Paradise	Bay Bulls Big Pond	Jun 26, 2025	-1.78
Petley	Petley	Drilled + Dug Reservoir	May 28, 2025	-1.08
Point Lance	Point Lance	Unnamed Pond	Jun 30, 2025	-3.38
Point of Bay	Point of Bay	Indian Cove Pond	May 21, 2025	-3.24
Port Blandford	Port Blandford	Noseworthy's Pond	May 28, 2025	-3.47
Port Kirwan	North Side	Dug Well / Drilled Well	Jun 06, 2025	-2.35
Port Kirwan	Port Kirwan	Developed Spring	Jun 06, 2025	-3.61
Port Rexton	Champneys Arm	Champney's Arm Well	May 27, 2025	-0.51
Port Rexton	Hunchback Hill	#3 Well - Harold Vivian's Well	May 27, 2025	-0.59
Port Rexton	Port Rexton	#1 Well - Lois Long Well	May 27, 2025	-0.57
Port Rexton	Port Rexton (Seasonal Use)	#2 Well - Edmund Brown's Well	May 27, 2025	-0.83
Port Rexton	Ship Cove	#6 Well - Banister's Well	May 27, 2025	-0.54

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Port Rexton	Ship Cove	#5 Well - Mabel Clarke's Well	May 27, 2025	-1.21
Port au Port East	Port au Port East	Drilled Well - 75-80% Berry Head Watershed - 20-25%	Jun 27, 2025	0.06
Port au Port West-Aguathuna-Felix Cove	Felix Cove	#4-Goose Pond Road Well	Jun 26, 2025	0.19
Port au Port West-Aguathuna-Felix Cove	Felix Cove	#5 Ocean View Drive Well	Jun 26, 2025	0.24
Port au Port West-Aguathuna-Felix Cove	Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Jun 25, 2025	0.27
Portugal Cove-St. Phillips	Portugal Cove-St. Phillips	Bay Bulls Big Pond	Jun 26, 2025	-2.20
Pouch Cove	Pouch Cove	North Three Island Pond	Jun 02, 2025	-4.00
Raleigh	Raleigh	#4 Well	Jun 17, 2025	-0.15
Ramea	Ramea	Northwest Pond	Jun 10, 2025	-1.82
Ramea	Ramea - PWDU	Northwest Pond	Jun 10, 2025	-2.38
Random Sound West	North West Brook, Ivany Cove	#3 Well - Harbour Well	Jun 16, 2025	-0.75
Random Sound West	North West Brook, Ivany Cove	#2 Well	Jun 16, 2025	-0.85
Red Harbour	Red Harbour	1A Well Drilled + 1C Dug Well (back-up)	Jun 17, 2025	-0.29
Reidville	Reidville	Humber Canal, Grand Lake	May 30, 2025	-3.48
Renews-Cappahayden	Cappahayden	#1 Dinn's Well	Jun 06, 2025	-0.36
Riverhead	Riverhead (St. Mary's Bay)	Well Field	Jun 04, 2025	-3.36
Sandringham	Sandringham	Drilled	May 26, 2025	-3.28
Sandy Cove	Sandy Cove	Dug	May 26, 2025	-2.56
Sheaves Cove	Sheaves Cove	Drilled	Jun 25, 2025	0.13
Sheppardville	Sheppardville	Drilled	May 20, 2025	-0.86
Sheshatshiu	Sheshatshui - Indian Band Council	Wells 1, 2 & 3	May 22, 2025	-0.68
Ship Cove-Lower Cove-Jerry's Nose	Lower Cove	#6 Well - Lower Cove Well	Jun 25, 2025	0.06
Ship Cove-Lower Cove-Jerry's Nose	Ship Cove East	#3 Well - Bernard Brake Well	Jun 25, 2025	0.12
Ship Cove-Lower Cove-Jerry's Nose	Ship Cove, Jerry's Nose	#4B Well - Nancy Rowe Well	Jun 25, 2025	0.23
Ship Cove-Lower Cove-Jerry's Nose	Ship Cove, Jerry's Nose	#1 Well - PJ's Variety Well	Jun 26, 2025	0.34
Ship Cove-Lower Cove-Jerry's Nose	Ship Cove, Jerry's Nose	#2 Well - Howard & Rodney Jesso Well	Jun 25, 2025	0.35
Small Point-Adam's Cove-Blackhead-Broad Cove	Adam's Cove	#1 Well - Reg Bursey Well	May 28, 2025	-0.74
Small Point-Adam's Cove-Blackhead-Broad Cove	Adam's Cove	#1 Well - Reg Bursey Well	May 28, 2025	-0.77
Small Point-Adam's Cove-Blackhead-Broad Cove	Blackhead + Adam's Cove	#4 Well - Leonard King Well	Jun 11, 2025	-0.31
Small Point-Adam's Cove-Blackhead-Broad Cove	Broad Cove	#6 Well - Herb Trickett Well	Jun 11, 2025	-0.32

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Small Point-Adam's Cove-Blackhead-Broad Cove	Small Point	#9 Well - Walter Reynolds Well	Jun 11, 2025	-2.36
South Dildo	South Dildo	#5 Well - Calvin Reid Well	Jun 12, 2025	-0.57
Springdale	Springdale Industrial Park	Well	May 22, 2025	-0.28
St. Alban's	St. Alban's	Well Field	Jun 03, 2025	-3.57
St. Andrews	Air Strip Road	#4 Well Strip Road Well	Jun 09, 2025	0.01
St. Andrews	St. Andrew's	#1 Well	Jun 09, 2025	-0.45
St. Andrews	St. Andrew's	#2 Well	Jun 09, 2025	-0.39
St. Andrews	St. Andrew's East	#3 Well	Jun 09, 2025	-0.60
St. Anthony	St. Anthony	St. Anthony Pond	Jun 17, 2025	-3.33
St. George's	St. George's	Wellfield	Jun 13, 2025	-1.39
St. John's	St. John's	Petty Harbour Long Pond	Jun 25, 2025	-0.75
St. John's	St. John's	Windsor Lake	Jun 25, 2025	-1.14
St. John's	St. John's (+Mt. Pearl, +Paradise, +Portugal Cove-St. Phillips, +CBS)	Bay Bulls Big Pond	Jun 26, 2025	-1.71
St. Joseph's	St. Joseph's S.M.B.	Drilled	Jun 04, 2025	-0.21
St. Lunaire-Griquet	St. Lunaire-Griquet	Drilled	Jun 17, 2025	-0.27
St. Mary's	St. Mary's	Wellfield	Jun 04, 2025	-0.51
St. Patricks	St. Patricks	David Joy Well	May 22, 2025	-0.35
St. Pauls	St. Pauls	Two Mile Pond	May 28, 2025	-1.24
Stephenville	Stephenville	Well Field	Jun 27, 2025	-0.07
Stephenville Crossing	Stephenville Crossing	Well Fields 1 & 2	Jun 27, 2025	0.00
Sunnyside (T.B.)	Sunnyside	Center Cove River	Jun 11, 2025	-3.73
Sunnyside (T.B.)	Sunnyside	Center Cove River	May 22, 2025	-3.93
Swift Current	Swift Current (Hollett's Point)	Drilled	May 20, 2025	-2.61
Terrenceville	Terrenceville	Big Brook	Jun 20, 2025	-3.79
Tompkins	Tompkins	Greg Wall Well	Jun 09, 2025	-0.24
Torbay	Torbay	North Pond	Jun 02, 2025	-3.33
Upper Amherst Cove	Upper Amherst Cove	Drilled	May 27, 2025	-0.19
Upper Ferry	Upper Ferry	#4 Well - Angus MacNeil Well	Jun 09, 2025	-0.13
Upper Ferry	Upper Ferry - Lower	#1 Well - Gerard Brownrigg Well	Jun 09, 2025	0.07
Upper Ferry	Upper Ferry - Middle	#2 Well - Hughie MacIssac Well	Jun 09, 2025	-0.17
Upper Ferry	Upper Ferry - Upper	#3 Well - Marshall Devoe Well	Jun 09, 2025	0.02
Wabana	Wabana	Mixed Supplies	Jun 24, 2025	0.00
Wabana	Wabana	Mixed Supplies	Jun 24, 2025	0.03
Wabana	Wabana	Scotia #1	Jun 24, 2025	-0.14
Wabana	Wabana	Middleton Ave	Jun 24, 2025	-0.32
Wabana	Wabana	St. Edward's Memorial St.	Jun 24, 2025	0.26

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Wabana	Wabana	Normore Crescent East #1	Jun 24, 2025	0.00
Wabana	Wabana	Quigley's Line	Jun 24, 2025	0.09
Wabana	Wabana	#4-West Mines Road	Jun 24, 2025	-0.12
Wabana	Wabana - PWDU	#3 Yard West Mines Road	Jun 24, 2025	-5.14
West St. Modeste	West St. Modeste	Well Field	Jun 24, 2025	-1.25
Winterland	Winterland	Well Field	Jun 18, 2025	-0.43

What is the Langelier Index?

The Langelier index (LI) is an approximate measure of the degree of saturation of calcium carbonate in water. It is calculated using the pH, alkalinity, hardness, total dissolved solids, and water temperature of a water sample collected at the tap. If the;

- LI is negative: The water is under saturated with calcium carbonate and will tend to be corrosive in the distribution system
- LI is positive: The water is over saturated with calcium carbonate and will tend to deposit calcium carbonate forming scales in the distribution system
- If LI is close to zero: The water is just saturated with calcium carbonate and will neither be strongly corrosive or scale forming.

The LI is one of several tools used by the water operator for stabilizing water to control both internal corrosion and the deposition of scale.

Experience has shown that LI in the range of -1 to +1 has a relatively low corrosion impact on metallic components of the distribution system. LI values outside this range may result in laundry stains or leaks. For additional information on the Langelier Index please contact the Department of Municipal Affairs and Environment at 729-2563.