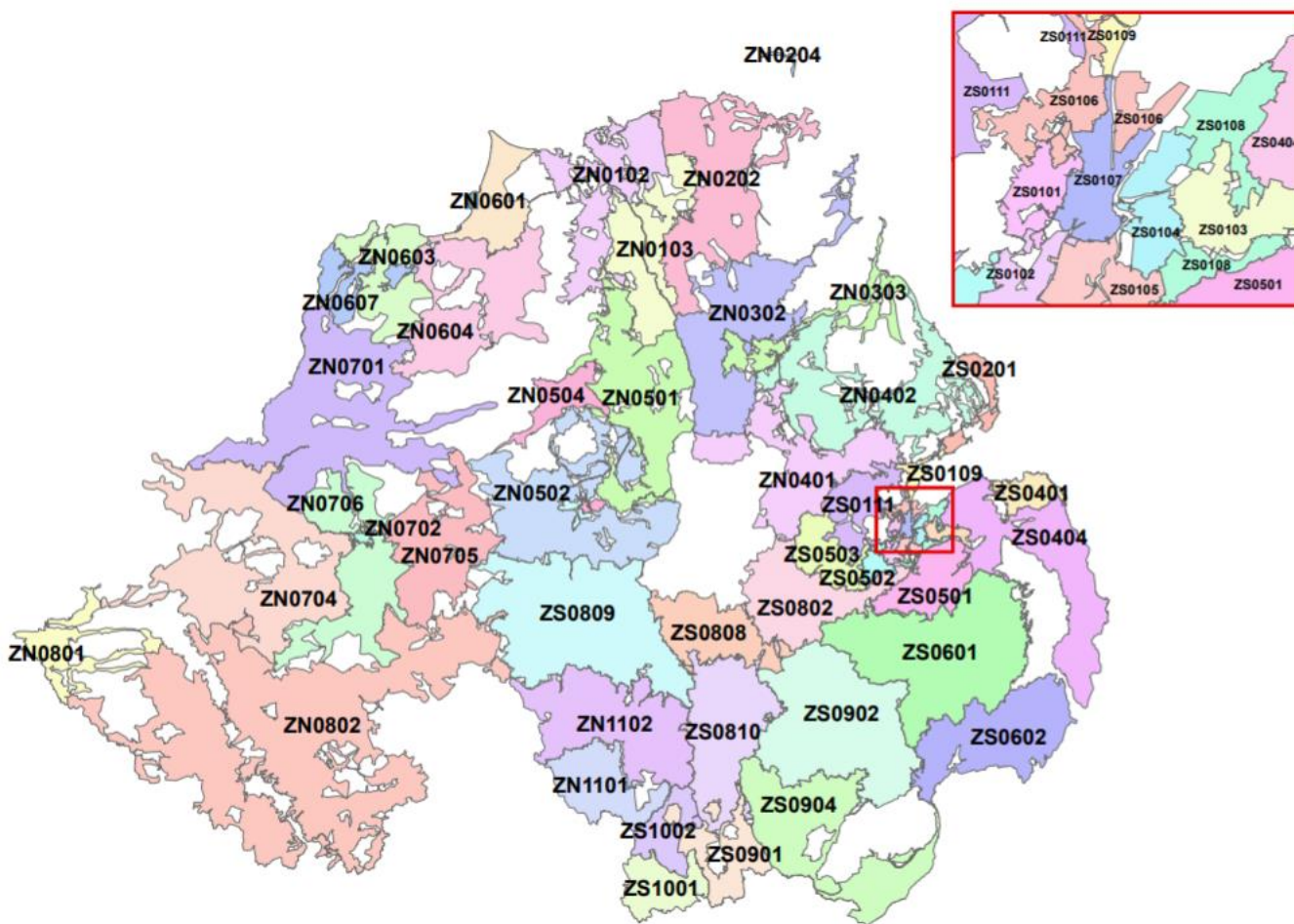


Drinking Water Quality Tables

The following tables provide detail of where full compliance with the regulatory standards has not been met in the individual water supply zones. The tables present, by parameter, all the contraventions and the '% compliance' that occurred in water supply zones and at supply points at water treatment works during 2019. The map in Figure 1 shows the water supply zones from which samples are collected across Northern Ireland. These will, when used in conjunction with the information in the parameter tables that follow, allow the reader to have a more local focus on water quality issues.

Figure 1: Map showing Water Supply Zones across Northern Ireland in 2019



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Table 1: Water Supply Zones within each Council area in 2019

Council	Water Supply Zones*	
Antrim and Newtownabbey Borough	ZN0302 - Dungonnell Glarryford ZN0401 - Dunore Point Antrim ZN0402 - Killylane Ballynure ZS0106 - Dunore Belfast North	ZS0109 - Dorisland Whiteabbey ZS0111 - Dunore Point Hydepark ZS0201 - Dorisland Carrick ZS0503 - Forked Bridge Stoneyford
Ards and North Down Borough	ZS0108 - Belfast Purdysburn ZS0401 - Drumaroad Bangor ZS0404 - Drumaroad Ards	ZS0501 - Drumaroad Lisburn ZS0601 - Drumaroad Ballynahinch
Armagh City, Banbridge and Craigavon Borough	ZN1101 - Clay Lake Keady ZN1102 - Seagahan Armagh ZS0802 - Castor Bay Lurgan ZS0808 - Castor Bay Craigavon	ZS0809 - Castor Bay Dungannon ZS0810 - Castor Bay Tandragee ZS0902 - Fofanny Dromore ZS0904 - Fofanny Mourne
Belfast City	ZS0101 - Dunore Ballygomartin North ZS0102 - Dunore Ballygomartin South ZS0103 - Belfast Ballyhanwood ZS0104 - Dunore Breda North ZS0105 - Dunore Breda South ZS0106 - Dunore Belfast North ZS0107 - Belfast Oldpark	ZS0108 - Belfast Purdysburn ZS0109 - Dorisland Whiteabbey ZS0111 - Dunore Point Hydepark ZS0404 - Drumaroad Ards ZS0501 - Drumaroad Lisburn ZS0502 - Forked Bridge Dunmurry ZS0503 - Forked Bridge Stoneyford
Causeway Coast and Glens Borough	ZN0102 Ballinrees West ZN0103 Ballinrees East ZN0202 Altnahinch Bushmills ZN0204 Rathlin Island ZN0302 Dungonnell Glarryford	ZN0501 Moyola Magherafelt ZN0601 Ballinrees Limavady ZN0603 Carmoney Eglinton ZN0604 Caugh Hill Dungiven ZN0607 Corrody Derry
Derry City and Strabane District	ZN0603 - Carmoney Eglinton ZN0604 - Caugh Hill Dungiven ZN0607 - Corrody Derry	ZN0701 - Derg Strabane ZN0704 - Lough Bradan Drumquin
Fermanagh and Omagh District	ZN0701 - Derg Strabane ZN0702 - Glenhordial Omagh ZN0704 - Lough Bradan Drumquin ZN0705 - Lough Macrory Beragh	ZN0706 - Lough Macrory Killyclogher ZN0801 - Belleek Garrison ZN0802 - Killyhevlin Enniskillen
Lisburn and Castlereagh City	ZN0401 - Dunore Point Antrim ZS0103 - Belfast Ballyhanwood ZS0108 - Belfast Purdysburn ZS0111 - Dunore Point Hydepark ZS0404 - Drumaroad Ards ZS0501 - Drumaroad Lisburn	ZS0502 - Forked Bridge Dunmurry ZS0503 - Forked Bridge Stoneyford ZS0601 - Drumaroad Ballynahinch ZS0802 - Castor Bay Lurgan ZS0902 - Fofanny Dromore
Mid and East Antrim Borough	ZN0302 - Dungonnell Glarryford ZN0303 - Dunore Point Ballymena ZN0401 - Dunore Point Antrim	ZN0402 - Killylane Ballynure ZS0109 - Dorisland Whiteabbey ZS0201 - Dorisland Carrick
Mid Ulster District	ZN0101 - Ballinrees Coleraine ZN0501 - Moyola Magherafelt ZN0502 - Lough Fea Cookstown ZN0504 - Moyola Unagh Mormeal ZN0705 - Lough Macrory Beragh	ZN0706 - Lough Macrory Killyclogher ZN0802 - Killyhevlin Enniskillen ZN1102 - Seagahan Armagh ZS0809 - Castor Bay Dungannon
Newry, Mourne and Down District	ZN1101 - Clay Lake Keady ZS0601 - Drumaroad Ballynahinch ZS0602 - Drumaroad Downpatrick ZS0810 - Castor Bay Tandragee ZS0901 - Camlough Newry West	ZS0902 - Fofanny Dromore ZS0904 - Fofanny Mourne ZS1001 - Carran Hill Crossmaglen ZS1002 - Carran Hill Camly

* excludes water supply zones with fewer than 40 properties within the council area.

Water Quality in Water Supply Zones in 2019

Table 2: % Compliance - Aluminium

Sampling Location - Zones	Number of Samples	Number of Non-compliant Tests	% Compliance
ZN0303 - Dunore Point Ballymena	52	1	98.08
ZN1102 - Seagahan Armagh	36	1	97.22
ZS0103 - Belfast Ballyhanwood	52	1	98.08
ZS0106 - Dunore Belfast North	52	2	96.15
ZS0108 - Belfast Purdysburn	36	1	97.22
ZS0401 - Drumaroad Bangor	76	1	98.68
ZS0404 - Drumaroad Ards	76	3	96.05
ZS0602 - Drumaroad Downpatrick	36	1	97.22
ZS0810 - Castor Bay Tandragee	52	1	98.08
All other zones	1516	0	100.00
Overall	1984	12	99.40

Table 3: % Compliance – Bromate

Sampling Location - Supply Points	Number of Samples	Number of Non-compliant Tests	% Compliance
ZN0601 - Ballinrees Limavady	8	1	87.50
All other supply points	392	0	100
Overall	400	1	99.75

Table 4: % Compliance – *Clostridium perfringens*

Sampling Location - Supply Points	Number of Samples	Number of Non-compliant Tests	% Compliance
W3801 – Drumaroad WTW	24	1	95.83
W4722 – Belleek WTW	8	1	87.50
All other supply points	204	0	100
Overall	236	2	99.15

Table 5: % Compliance - Coliform bacteria

Sampling Location - Zones	Number of Samples	Number of Non-compliant Tests	% Compliance
ZN0102 - Ballinrees West	180	4	97.78
ZN0103 - Ballinrees East	72	2	97.22
ZN0204 - Rathlin Island	12	1	91.67
ZS0101 - Dunore Ballygomartin North	120	1	99.17
ZS0102 - Dunore Ballygomartin South	132	1	99.24
ZS0107 – Belfast Oldpark	120	1	99.17
ZS0401 – Drumaroad Bangor	216	1	99.54
ZS0809 – Castor Bay Dungannon	192	2	98.96
All other zones	4,500	0	100
Overall	5,544	13	99.77

Table 6: % Compliance – E. coli

Sampling Location - Supply Points	Number of Samples	Number of Non-compliant Tests	% Compliance
ZS0102 - Dunore Ballygomartin South	132	1	99.24
All other supply points	5,412	0	100
Overall	5,544	1	99.98

Table 7: % Compliance - Iron

Sampling Location - Zones	Number of Samples	Number of Non-compliant Tests	% Compliance
ZN0202 - Altnahinch Bushmills	36	1	97.22
ZN0402 - Killylane Ballynure	52	1	98.08
ZN0802 - Killyhevin Enniskillen	76	1	98.68
ZN1102 - Seagahan Armagh	36	2	94.44
ZS0102 - Dunore Ballygomartin South	52	1	98.08
ZS0106 - Dunore Belfast North	52	1	98.08
ZS0107 - Belfast Oldpark	36	1	97.22
ZS0108 - Belfast Purdysburn	36	1	97.22
ZS0201 - Dorisland Carrick	36	11	69.44
ZS0502 - Forked Bridge Dunmurry	52	1	98.08
ZS0904 - Fofanny Mourne	52	1	98.08
All other zones	1,468	0	100.00
Overall	1,984	22	98.89

Table 8: % Compliance - Lead

Sampling Location - Zones	Number of Samples	Number of Non-compliant Tests	% Compliance
ZS0111 - Dunore Point Hydepark	8	1	87.50
All other zones	392	0	100.00
Overall	400	1	99.75

Table 9: % Compliance – Manganese

Sampling Location - Zones	Number of Samples	Number of Non-compliant Tests	% Compliance
ZN0802 - Killyhevin Enniskillen	76	1	98.68
ZN1102 – Seagahan Armagh	36	1	97.22
All other zones	1,872	0	100.00
Overall	1,984	2	99.90

Table 10: % Compliance – Nickel

Sampling Location - Supply Points	Number of Samples	Number of Non-compliant Tests	% Compliance
ZS0503 - Forked Bridge Stoneyford	8	1	87.50
ZS0802 - Castor Bay Lurgan	8	1	87.50
All other supply points	384	0	100.00
Overall	400	2	99.50

Table 11: % Compliance - Odour

Sampling Location - Zones	Number of Samples	Number of Non-compliant Tests	% Compliance
ZN0103 - Ballinrees East	24	1	95.83
ZN0601 - Ballinrees Limavady	24	2	91.67
ZN0604 - Caugh Hill Dungiven	24	2	91.67
ZS0109 - Dorisland Whiteabbey	36	1	97.22
ZS0601 - Drumaroad Ballynahinch	52	1	98.08
ZS0808 - Castor Bay Craigavon	76	1	98.68
All other zones	1,748	0	100.00
Overall	1,984	8	99.60

Table 12: % Compliance - Pesticides Other

Sampling Location - Supply Points	Number of Samples	Number of Non-compliant Tests	% Compliance
W4501- Derg	304	2	99.34
All other supply points	8,656	0	100.00
Overall	8,960	2	99.98

*All pesticides other than aldrin, dieldrin, heptachlor and heptachlor epoxide for which a waiver is granted

Table 13: % Compliance - Taste

Sampling Location - Zones	Number of Samples	Number of Non-compliant Tests	% Compliance
ZN0204 - Rathlin Island	4	2	50.00
ZN0604 - Caugh Hill Dungiven	24	1	95.83
ZN0704 - Lough Bradan Drumquin	24	2	91.67
ZN1102 - Seagahan Armagh	36	1	97.22
ZS0404 - Drumaroad Ards	76	2	97.37
All other zones	1,820	0	100.00
Overall	1,984	8	99.60

Table 12: % Compliance - Total Trihalomethanes

Sampling Location - Zones	Number of Samples	Number of Non-compliant Tests	% Compliance
ZN0204 - Rathlin Island	4	1	75.00
ZN0607 - Corrody Derry	8	1	87.50
ZN0701 - Derg Strabane	8	1	87.50
ZN0704 - Lough Bradan Drumquin	8	1	87.50
All other zones	372	0	100.00
Overall	400	4	99.00

Table 13: % Compliance - Turbidity

Sampling Location - Zones	Number of Samples	Number of Non-compliant Tests	% Compliance
ZS0107 - Belfast Oldpark	36	1	97.22
All other zones	1,948	0	100.00
Overall	1,984	1	99.95