

REFERENCE

2425335

RELEASE DATE

October 2024

SUBJECT

Real-world data for the different concentrations ($\mu\text{g/L}$) of these cyanobacteria and others in the water treatment sites (Dunore Point, Moyola, Forked Bridge and Castor Bay) at Lough Neagh

REQUESTS & RESPONSES

Thank you for your recent request for real-world data for the different concentrations ($\mu\text{g/L}$) of these cyanobacteria and others in the water treatment sites (Dunore Point, Moyola, Forked Bridge and Castor Bay).

Annex A attached refers.

Forked Bridge is supplied with treated water from Castor Bay, so NI Water do not have data for MC-LR for this site.

Sample Point	Location	Sample Date	Parameter	Units	Auth Result
W2308POUT	Castor Bay PPP Final Water Outlet	09/01/2024 10:12	Microcystin-LR	ug/l	<0.038
W2308POUT	Castor Bay PPP Final Water Outlet	27/02/2024 10:11	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	05/03/2024 11:10	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	03/04/2024 10:50	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	09/04/2024 13:01	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	16/04/2024 11:27	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	23/04/2024 11:09	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	30/04/2024 11:02	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	07/05/2024 08:48	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	14/05/2024 11:21	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	21/05/2024 11:15	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	28/05/2024 11:18	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	04/06/2024 11:10	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	11/06/2024 09:24	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	18/06/2024 11:27	Microcystin-LR	ug/l	<0.048
W2308POUT	Castor Bay PPP Final Water Outlet	25/06/2024 08:12	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	02/07/2024 08:08	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	09/07/2024 08:30	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	23/07/2024 08:18	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	30/07/2024 08:11	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	06/08/2024 08:08	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	13/08/2024 08:10	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	20/08/2024 09:06	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	27/08/2024 11:31	Microcystin-LR	ug/l	TBC
W2308POUT	Castor Bay PPP Final Water Outlet	03/09/2024 11:48	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	10/09/2024 08:26	Microcystin-LR	ug/l	<0.024
W2308POUT	Castor Bay PPP Final Water Outlet	17/09/2024 08:35	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	09/01/2024 12:39	Microcystin-LR	ug/l	<0.038
W3301POUT	Dunore Point PPP Final Water Outlet	30/01/2024 10:44	Microcystin-LR	ug/l	<0.038
W3301POUT	Dunore Point PPP Final Water Outlet	27/02/2024 11:56	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	03/04/2024 09:47	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	09/04/2024 08:26	Microcystin-LR	ug/l	<0.024

W3301POUT	Dunore Point PPP Final Water Outlet	16/04/2024 09:21	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	23/04/2024 09:36	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	30/04/2024 09:02	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	07/05/2024 10:13	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	14/05/2024 08:42	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	21/05/2024 08:54	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	04/06/2024 07:30	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	11/06/2024 09:05	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	18/06/2024 08:33	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	25/06/2024 08:05	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	02/07/2024 08:29	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	09/07/2024 09:36	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	23/07/2024 07:51	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	30/07/2024 07:42	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	13/08/2024 08:20	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	20/08/2024 10:25	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	27/08/2024 08:12	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	03/09/2024 10:26	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	10/09/2024 08:24	Microcystin-LR	ug/l	<0.024
W3301POUT	Dunore Point PPP Final Water Outlet	17/09/2024 10:38	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	09/01/2024 08:32	Microcystin-LR	ug/l	<0.038
W1301POUT	Moyola PPP Final Water Outlet	06/02/2024 07:45	Microcystin-LR	ug/l	<0.038
W1301POUT	Moyola PPP Final Water Outlet	05/03/2024 08:01	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	03/04/2024 07:21	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	09/04/2024 12:02	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	16/04/2024 07:34	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	23/04/2024 10:26	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	30/04/2024 10:43	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	07/05/2024 12:01	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	14/05/2024 12:16	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	21/05/2024 11:36	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	28/05/2024 07:45	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	04/06/2024 07:49	Microcystin-LR	ug/l	<0.024

W1301POUT	Moyola PPP Final Water Outlet	11/06/2024 11:52	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	18/06/2024 11:10	Microcystin-LR	ug/l	<0.048
W1301POUT	Moyola PPP Final Water Outlet	25/06/2024 06:50	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	02/07/2024 08:14	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	23/07/2024 09:24	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	30/07/2024 11:02	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	06/08/2024 07:56	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	13/08/2024 07:24	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	27/08/2024 07:05	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	03/09/2024 09:48	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	10/09/2024 10:48	Microcystin-LR	ug/l	<0.024
W1301POUT	Moyola PPP Final Water Outlet	17/09/2024 06:47	Microcystin-LR	ug/l	<0.024

Sample Point	Location	Sample Date	Parameter	Units	Auth Result
W2308PINL	Castor Bay PPP Raw Water Inlet	09/01/2024 10:19	Microcystin-LR	ug/l	<0.038
W2308PINL	Castor Bay PPP Raw Water Inlet	06/02/2024 11:27	Microcystin-LR	ug/l	<0.038
W2308PINL	Castor Bay PPP Raw Water Inlet	05/03/2024 11:16	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	03/04/2024 10:45	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	09/04/2024 13:04	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	16/04/2024 11:34	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	23/04/2024 11:14	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	30/04/2024 11:03	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	07/05/2024 08:49	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	14/05/2024 11:28	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	21/05/2024 11:21	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	28/05/2024 11:20	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	04/06/2024 11:21	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	11/06/2024 09:27	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	18/06/2024 11:34	Microcystin-LR	ug/l	<0.048
W2308PINL	Castor Bay PPP Raw Water Inlet	25/06/2024 08:14	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	02/07/2024 08:14	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	09/07/2024 08:33	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	16/07/2024 09:40	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	23/07/2024 08:21	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	30/07/2024 08:13	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	06/08/2024 08:16	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	13/08/2024 08:18	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	20/08/2024 09:13	Microcystin-LR	ug/l	0.03
W2308PINL	Castor Bay PPP Raw Water Inlet	03/09/2024 11:56	Microcystin-LR	ug/l	<0.024
W2308PINL	Castor Bay PPP Raw Water Inlet	10/09/2024 08:35	Microcystin-LR	ug/l	0.032
W2308PINL	Castor Bay PPP Raw Water Inlet	17/09/2024 08:43	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	09/01/2024 12:57	Microcystin-LR	ug/l	<0.038
W3301PINL	Dunore Point PPP Raw Water Inlet	30/01/2024 11:05	Microcystin-LR	ug/l	<0.038
W3301PINL	Dunore Point PPP Raw Water Inlet	27/02/2024 12:14	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	03/04/2024 10:51	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	09/04/2024 08:44	Microcystin-LR	ug/l	<0.024

W3301PINL	Dunore Point PPP Raw Water Inlet	16/04/2024 09:36	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	23/04/2024 09:52	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	30/04/2024 09:18	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	07/05/2024 10:28	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	14/05/2024 08:59	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	21/05/2024 08:21	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	04/06/2024 07:48	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	11/06/2024 09:19	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	18/06/2024 08:46	Microcystin-LR	ug/l	<0.048
W3301PINL	Dunore Point PPP Raw Water Inlet	25/06/2024 08:23	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	02/07/2024 08:50	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	09/07/2024 09:51	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	16/07/2024 08:49	Microcystin-LR	ug/l	0.158
W3301PINL	Dunore Point PPP Raw Water Inlet	23/07/2024 08:15	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	30/07/2024 07:58	Microcystin-LR	ug/l	0.025
W3301PINL	Dunore Point PPP Raw Water Inlet	13/08/2024 09:10	Microcystin-LR	ug/l	<0.024
W3301PINL	Dunore Point PPP Raw Water Inlet	20/08/2024 10:49	Microcystin-LR	ug/l	0.032
W3301PINL	Dunore Point PPP Raw Water Inlet	27/08/2024 08:58	Microcystin-LR	ug/l	0.034
W3301PINL	Dunore Point PPP Raw Water Inlet	03/09/2024 09:28	Microcystin-LR	ug/l	0.109
W3301PINL	Dunore Point PPP Raw Water Inlet	10/09/2024 08:38	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	09/01/2024 08:20	Microcystin-LR	ug/l	<0.038
W1301PINL	Moyola PPP Raw Water Inlet	06/02/2024 07:52	Microcystin-LR	ug/l	<0.038
W1301PINL	Moyola PPP Raw Water Inlet	05/03/2024 08:11	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	03/04/2024 07:09	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	09/04/2024 12:08	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	16/04/2024 07:38	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	23/04/2024 10:38	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	30/04/2024 10:56	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	07/05/2024 12:11	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	14/05/2024 11:54	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	21/05/2024 11:55	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	28/05/2024 07:48	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	04/06/2024 08:00	Microcystin-LR	ug/l	<0.024

W1301PINL	Moyola PPP Raw Water Inlet	11/06/2024 12:04	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	18/06/2024 11:18	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	25/06/2024 06:59	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	02/07/2024 08:24	Microcystin-LR	ug/l	0.046
W1301PINL	Moyola PPP Raw Water Inlet	09/07/2024 11:30	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	16/07/2024 11:39	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	23/07/2024 09:37	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	06/08/2024 08:05	Microcystin-LR	ug/l	<0.048
W1301PINL	Moyola PPP Raw Water Inlet	13/08/2024 07:32	Microcystin-LR	ug/l	0.025
W1301PINL	Moyola PPP Raw Water Inlet	20/08/2024 07:31	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	27/08/2024 07:11	Microcystin-LR	ug/l	<0.048
W1301PINL	Moyola PPP Raw Water Inlet	03/09/2024 09:57	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	10/09/2024 10:59	Microcystin-LR	ug/l	<0.024
W1301PINL	Moyola PPP Raw Water Inlet	17/09/2024 07:00	Microcystin-LR	ug/l	<0.024