

MICROBIOLOGICAL RESULTS FOR CARNLOUGH
BATHING WATER IN NORTHERN IRELAND

location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
CARNLOUGH	05/06/2006	<	10		1	<	1
CARNLOUGH	09/06/2006		30		3		3
CARNLOUGH	14/06/2006	<	10		1	<	1
CARNLOUGH	19/06/2006		12		12		5
CARNLOUGH	23/06/2006	<	10	<	1	<	1
CARNLOUGH	27/06/2006		20		7	<	1
CARNLOUGH	04/07/2006		11		11	<	1
CARNLOUGH	06/07/2006	<	10	<	1	<	1
CARNLOUGH	19/07/2006		10		3		3
CARNLOUGH	24/07/2006		80		25		900
CARNLOUGH	26/07/2006		30		6		2
CARNLOUGH	01/08/2006		20		3	<	1
CARNLOUGH	07/08/2006		10		2		1
CARNLOUGH	10/08/2006		10		8		4
CARNLOUGH	15/08/2006		40		10		2
CARNLOUGH	22/08/2006	<	10		3		5
CARNLOUGH	31/08/2006		32		32		10
CARNLOUGH	04/09/2006		30		20		1
CARNLOUGH	08/09/2006		20		7		3
CARNLOUGH	14/09/2006		290		200		130

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location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
CARNLOUGH	04/06/2007		590		580		560
CARNLOUGH	07/06/2007		10		10		5
CARNLOUGH	11/06/2007		70		42		16
CARNLOUGH(1)	14/06/2007		31000		19600		5900
CARNLOUGH	20/06/2007		11000		6100		580
CARNLOUGH(2)	22/06/2007		450		330		23
CARNLOUGH	26/06/2007		20		1	<	1
CARNLOUGH	02/07/2007		10	<	1		1
CARNLOUGH	06/07/2007		90		52		8
CARNLOUGH	16/07/2007		340		250		32
CARNLOUGH(3)	18/07/2007		3200		2300		120
CARNLOUGH(4)	19/07/2007		120		37		4
CARNLOUGH	24/07/2007		810		170		48
CARNLOUGH	26/07/2007		80		35		3
CARNLOUGH	01/08/2007		430		47		29
CARNLOUGH	07/08/2007	<	10		3		2
CARNLOUGH	10/08/2007		40	<	1		4
CARNLOUGH	15/08/2007		80		16		10
CARNLOUGH	23/08/2007	<	10	<	1		1
CARNLOUGH	29/08/2007		30		5		3
CARNLOUGH	05/09/2007	<	10	<	1	<	1
CARNLOUGH	11/09/2007		140		29		3

1 Abnormal weather waiver applied (see page 7)

2 This was an additional sample result which replaced the waived result of 14/6/07 (see page 7)

3 Abnormal weather waiver applied (see page 7)

4 This was an additional sample result which replaced the waived result of 18/7/07 (see page 7)

Page 2 of 7

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location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
CARNLOUGH	04/06/2008	<	10		1	<	1
CARNLOUGH	09/06/2008	<	10	<	1		1
CARNLOUGH	13/06/2008	<	10	<	1	<	1
CARNLOUGH	16/06/2008	<	10	<	1	<	1
CARNLOUGH	18/06/2008		20		9		64
CARNLOUGH	26/06/2008	<	10	<	1		20
CARNLOUGH	01/07/2008		1500		1500		540
CARNLOUGH	08/07/2008		30		5		16
CARNLOUGH	17/07/2008		50		7		6
CARNLOUGH	22/07/2008		10		2		2
CARNLOUGH	28/07/2008	<	10	<	1	<	1
CARNLOUGH	04/08/2008		2600		1700		350
CARNLOUGH	07/08/2008		150		80		21
CARNLOUGH	13/08/2008		2200		1200		270
CARNLOUGH	15/08/2008	<	10		3	<	1
CARNLOUGH	20/08/2008		50		42		9
CARNLOUGH	29/08/2008		10		2	<	1
CARNLOUGH	02/09/2008		50		13		3
CARNLOUGH	05/09/2008		170		130		36
CARNLOUGH	11/09/2008		200		41		25

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location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
CARNLOUGH	02/06/2009	<	10		17		5
CARNLOUGH	04/06/2009		70		58		34
CARNLOUGH	08/06/2009		30		9		4
CARNLOUGH	16/06/2009		80		36		49
CARNLOUGH	22/06/2009		10		16		8
CARNLOUGH	29/06/2009		60		36		22
CARNLOUGH	02/07/2009		2000		1100		430
CARNLOUGH	08/07/2009		20		11		10
CARNLOUGH	15/07/2009		350		120		220
CARNLOUGH	20/07/2009		30		16		12
CARNLOUGH	24/07/2009		370		200		69
CARNLOUGH	28/07/2009		140		51		110
CARNLOUGH	05/08/2009		20	<	10		16
CARNLOUGH	13/08/2009	<	10		1	<	1
CARNLOUGH	21/08/2009		630		450		190
CARNLOUGH	24/08/2009		370		140		28
CARNLOUGH	27/08/2009		230		39		10
CARNLOUGH	01/09/2009		2300		400		150
CARNLOUGH	04/09/2009		30		13		2
CARNLOUGH	09/09/2009		50		17		4

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location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
CARNLOUGH	01/06/2010	<	10	<	1		3
CARNLOUGH	07/06/2010		60		29		2
CARNLOUGH	15/06/2010	<	10	<	1		1
CARNLOUGH	24/06/2010	<	10	<	1	<	1
CARNLOUGH	28/06/2010	<	10		2		1
CARNLOUGH	01/07/2010		50		17		1
CARNLOUGH	07/07/2010		20		13		10
CARNLOUGH	14/07/2010		26000		9300		3300
CARNLOUGH	19/07/2010		100		16		7
CARNLOUGH	23/07/2010	<	10		8		1
CARNLOUGH	27/07/2010		10		1	<	1
CARNLOUGH	04/08/2010	<	10		1		1
CARNLOUGH	12/08/2010	<	10		7		10
CARNLOUGH	20/08/2010		60		27		5
CARNLOUGH	23/08/2010		20		9		10
CARNLOUGH	26/08/2010		70		11		9
CARNLOUGH	31/08/2010		10		6		7
CARNLOUGH	03/09/2010	<	10		4	<	1
CARNLOUGH	08/09/2010		470		420		190
CARNLOUGH	10/09/2010		350		98		26

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location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
CARNLOUGH	03/06/2011	<	10	<	1		4
CARNLOUGH	07/06/2011		420		320		45
CARNLOUGH	13/06/2011		10		8		1
CARNLOUGH	16/06/2011		10	<	1	<	1
CARNLOUGH	22/06/2011		40		5		22
CARNLOUGH	30/06/2011		10		7	<	1
CARNLOUGH	05/07/2011		140		43		29
CARNLOUGH	15/07/2011		20		6		1
CARNLOUGH	20/07/2011		10		2	<	1
CARNLOUGH	25/07/2011		10		2	<	1
CARNLOUGH	28/07/2011		30		2		2
CARNLOUGH	02/08/2011		50		21		7
CARNLOUGH	08/08/2011	<	10	<	1		1
CARNLOUGH	10/08/2011		390		200		55
CARNLOUGH	16/08/2011		10		11		9
CARNLOUGH	18/08/2011		20		5		20
CARNLOUGH	22/08/2011		10		1	<	1
CARNLOUGH	26/08/2011		110		40		29
CARNLOUGH	31/08/2011		10		1		3
CARNLOUGH	06/09/2011		1200		1100		3600

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INTERPRETATION OF RESULTS

Interpretation of results is in accordance with:
Statutory Rules of Northern Ireland
1993 No. 205
European Communities Public Health
The Quality of Bathing Water Regulations (Northern Ireland) 1993

Excellent Water Quality

This is the most stringent
i.e. the **Guideline** microbiological water quality standard of the
Bathing Water Directive 76/160/EEC.
Total coliforms no greater than 500 per 100ml of water AND
Faecal coliforms no more than 100 per 100ml of water AND
Faecal streptococci no more than 100 per 100 ml of water

Annually 80% (16 out of 20 sampling occasions) must meet the coliform
standards AND
Annually 90% (18 out of 20 sampling occasions) must meet the faecal
streptococci standards

Good Water Quality

Means the sample meets the
Minimum Mandatory microbiological water quality standard of the Bathing
Water Directive 76/160/EEC.

Total coliforms no greater than 10,000 per 100ml of water AND
Faecal coliforms no greater than 2,000 per 100ml
Annually 95% (19 out of 20 sampling occasions) must meet these standards

Poor Water Quality

Means the sample **failed** the standard required for good water quality
i.e. it failed to meet Mandatory standard of Bathing Water Directive
76/160/EEC

An 'abnormal weather waiver' was applied to two results for Carnlough, giving it a mandatory pass for the season. Such a waiver allows sample results to be discounted when they are associated with 'abnormal' weather conditions. The UK policy is that generally a "one in five year" storm event can be regarded as exceptional weather. It is NIEA policy not to apply an abnormal weather waiver to a mandatory failure of the Directive unless adequate sewage infrastructure (as defined by the Urban Waste Water Treatment Directive) is in place.